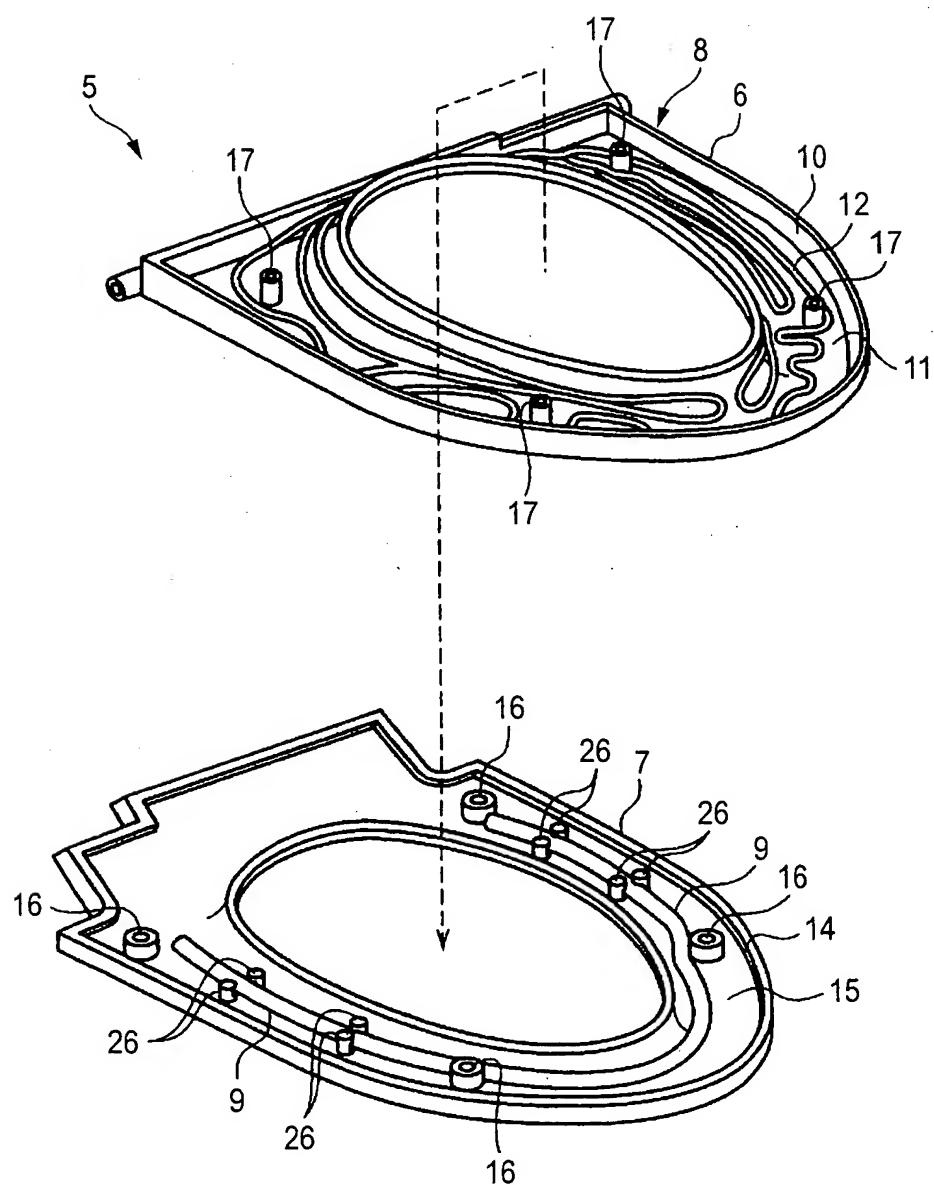


FIG. 1



- 5: TOILET SEAT APPARATUS
- 6: UPPER LID (RIGID BODY)
- 7: BASE PLATE
- 8: CASE
- 9: PIEZOELECTRIC SENSOR
(VIBRATION DETECTING SENSOR)

FIG. 2

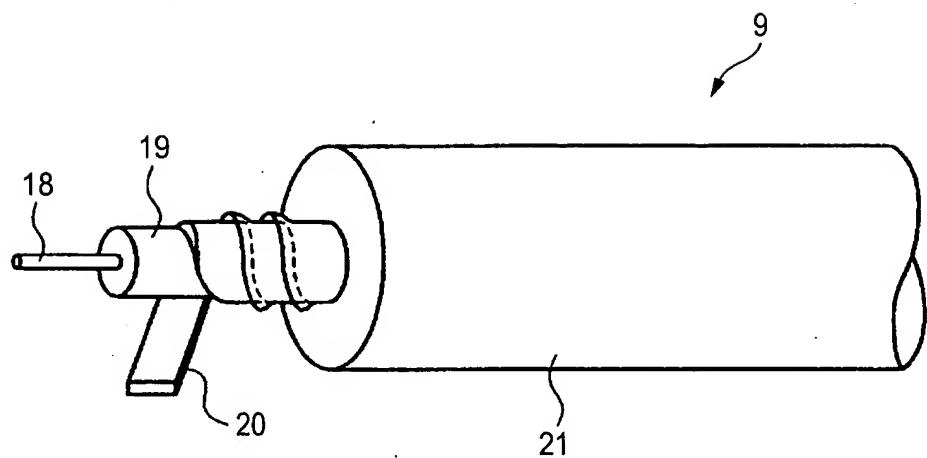


FIG. 3

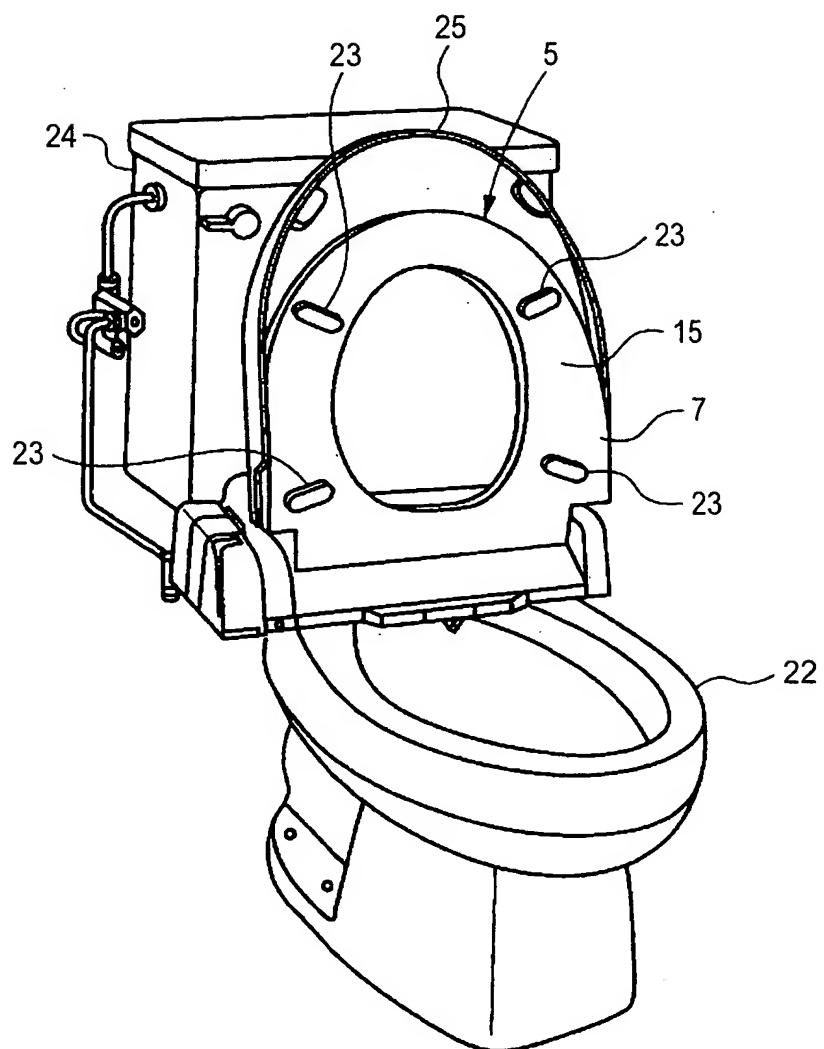


FIG. 4

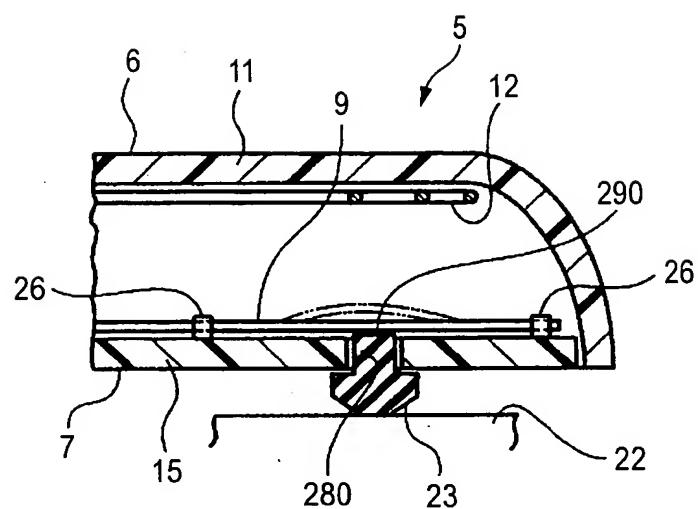


FIG. 5

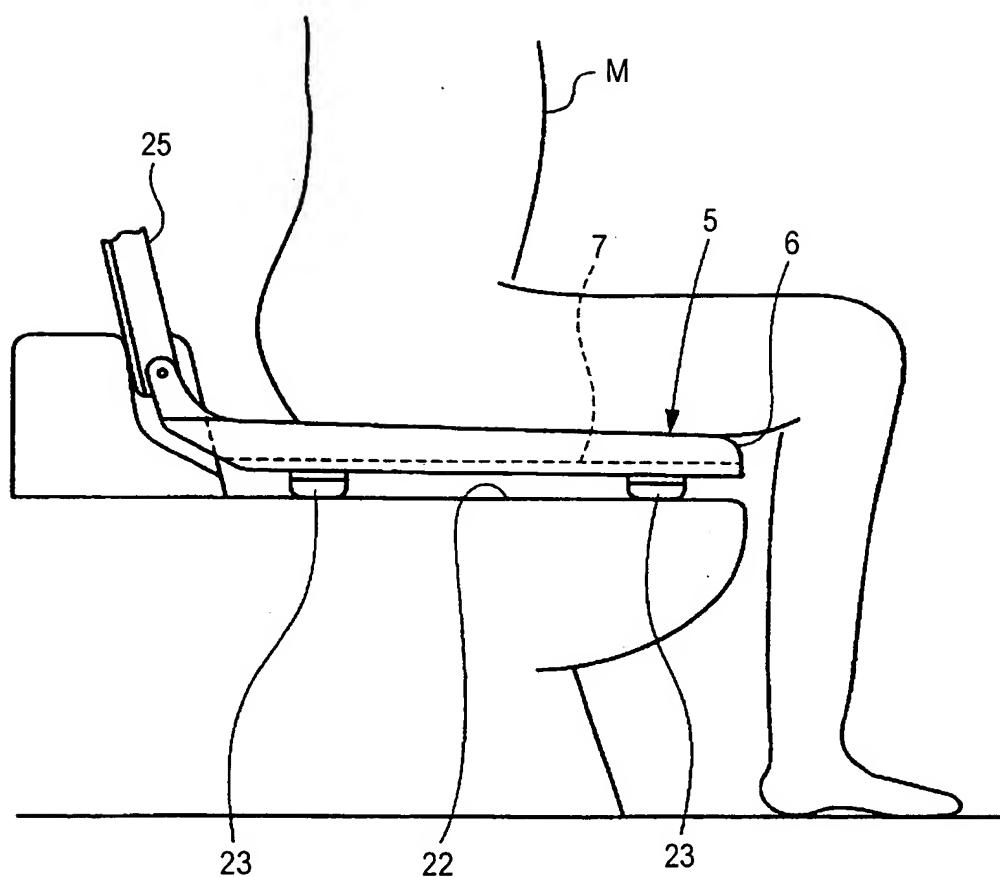


FIG. 6

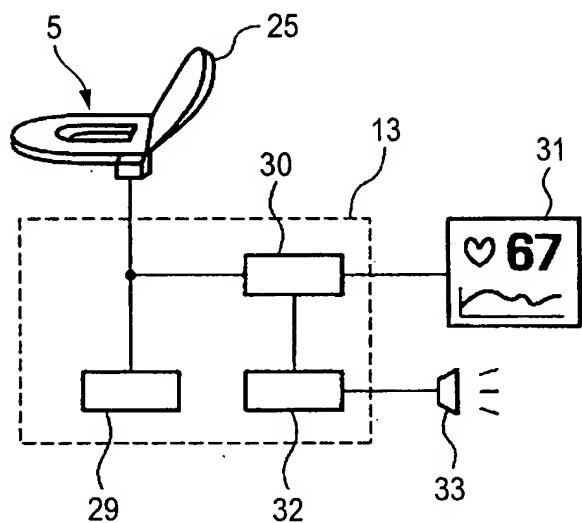


FIG. 7

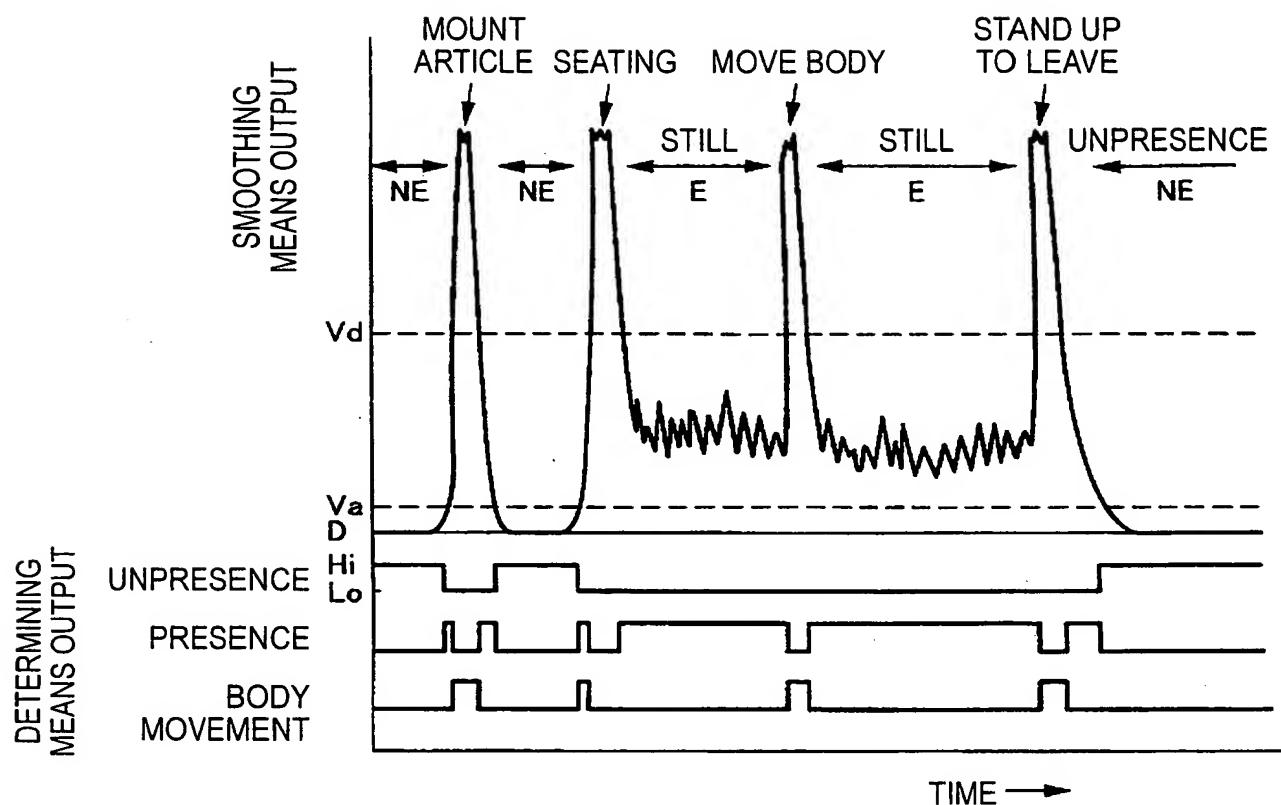


FIG. 8

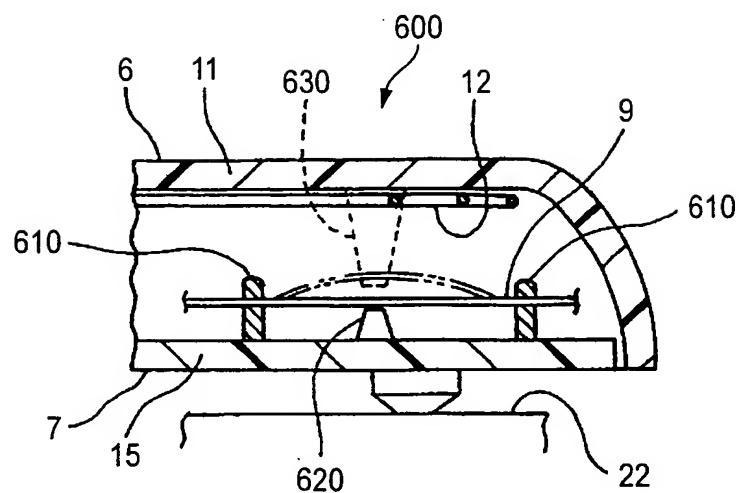


FIG. 9

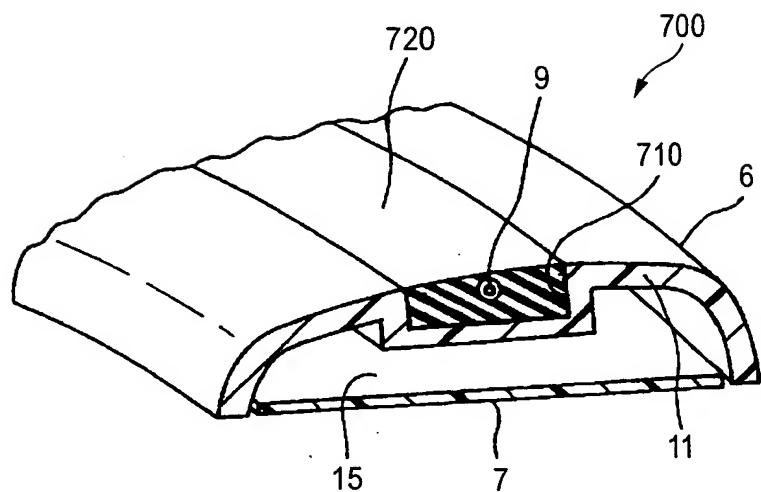


FIG. 10

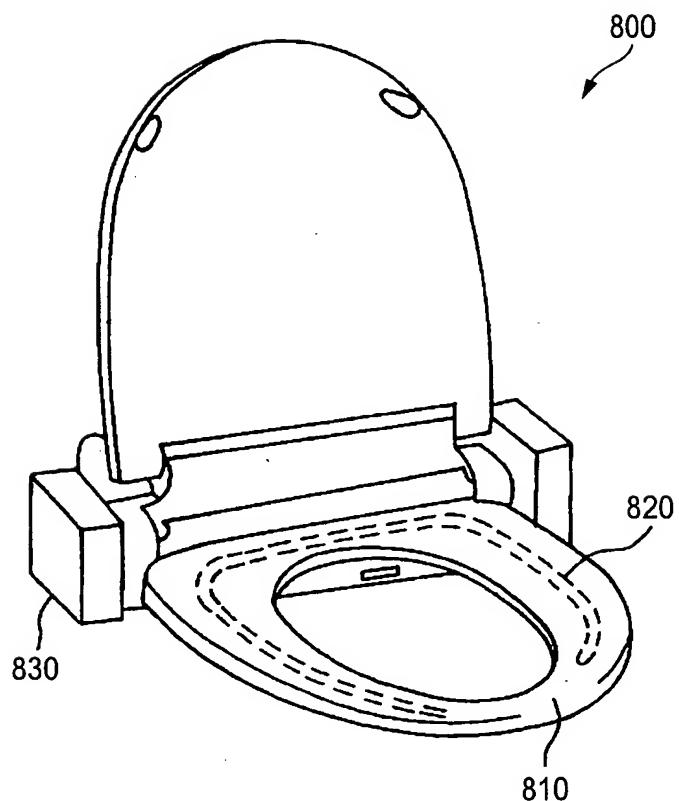


FIG. 11 (a)

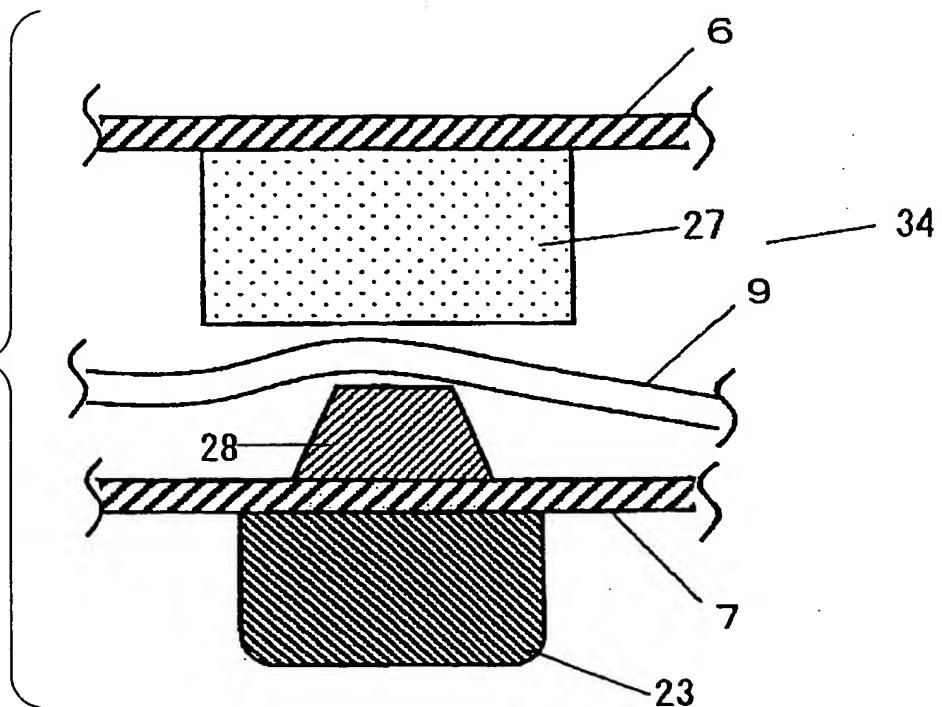
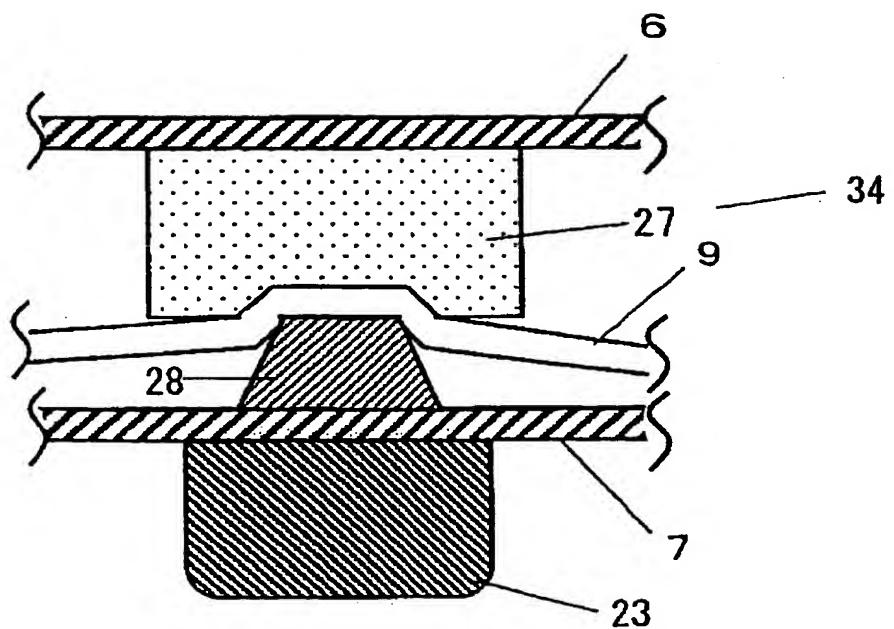
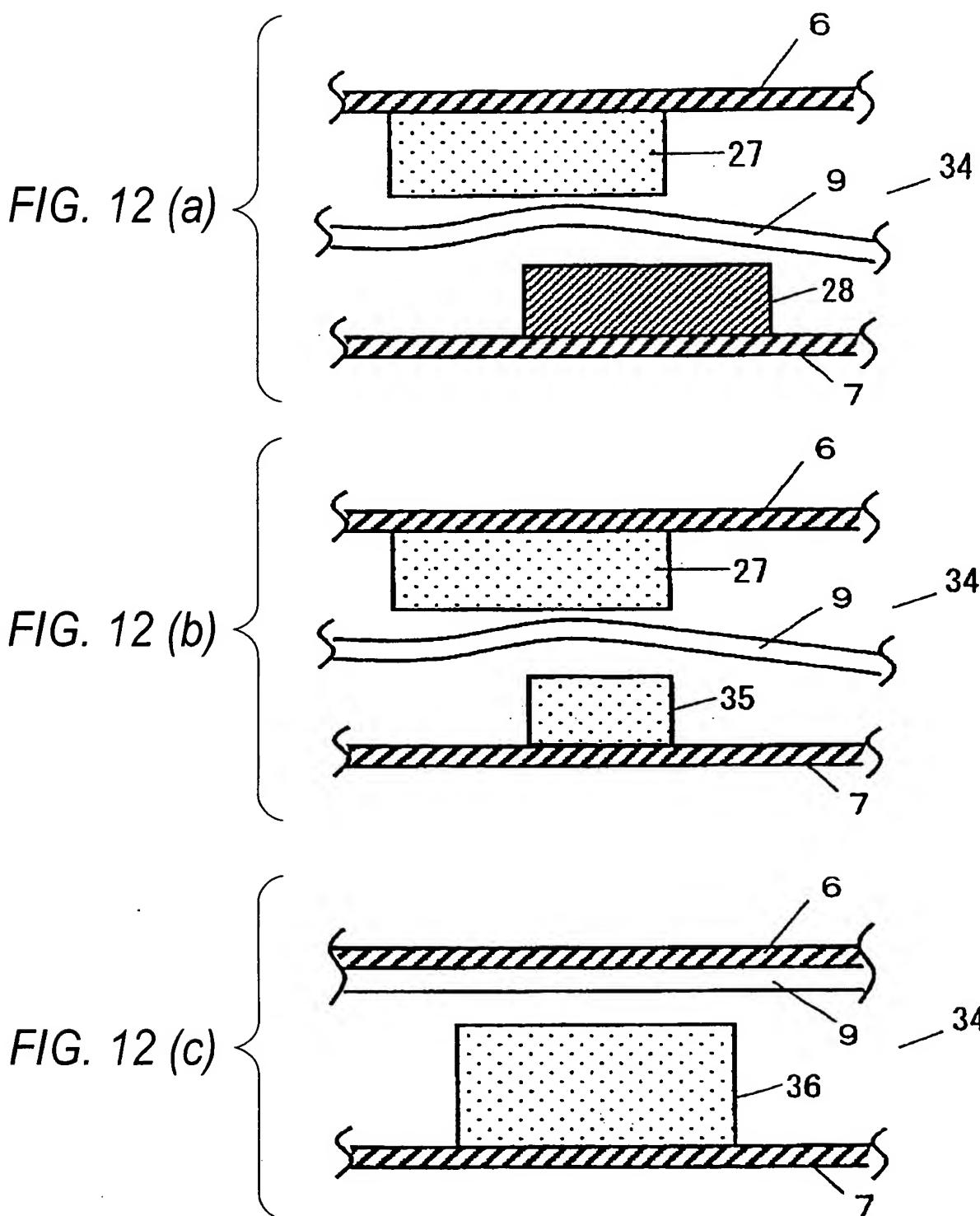


FIG. 11 (b)



27: PRESSING MEANS (AMPLIFYING MEANS)
28: PROJECTION (AMPLIFYING MEANS)
34: VIBRATION DETECTING APPARATUS



35, 36: PRESSING MEANS (AMPLIFYING MEANS)

FIG. 13 (a)

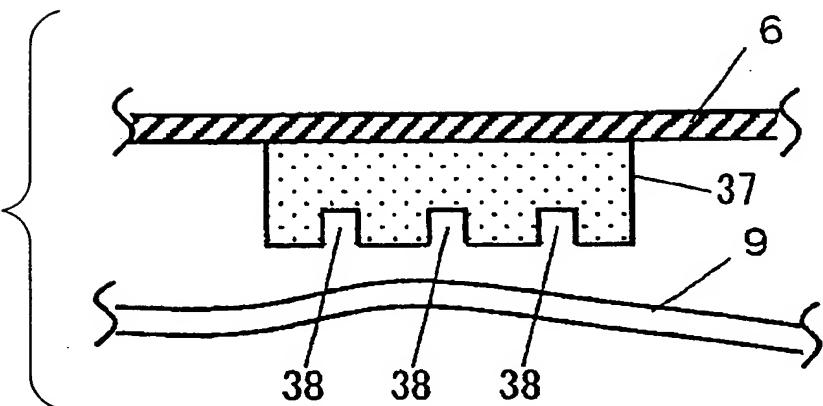


FIG. 13 (b)

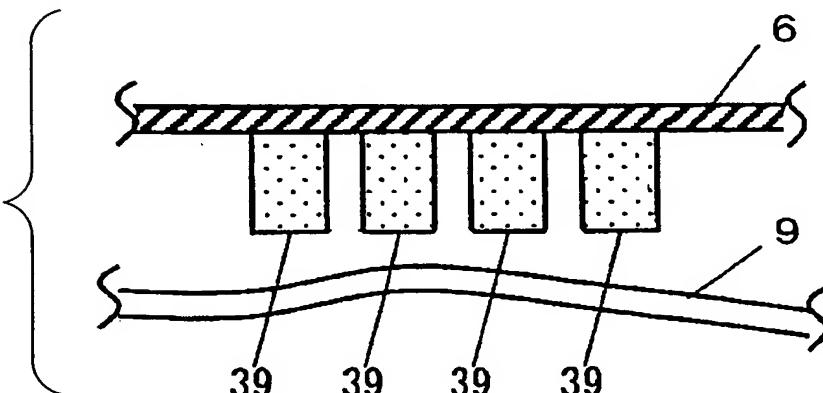
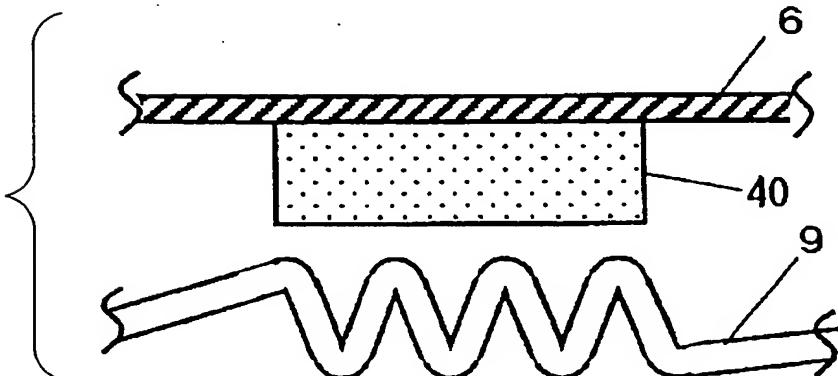


FIG. 13 (c)



37, 39, 40: PRESSING MEANS (AMPLIFYING MEANS)

FIG. 14 (a)

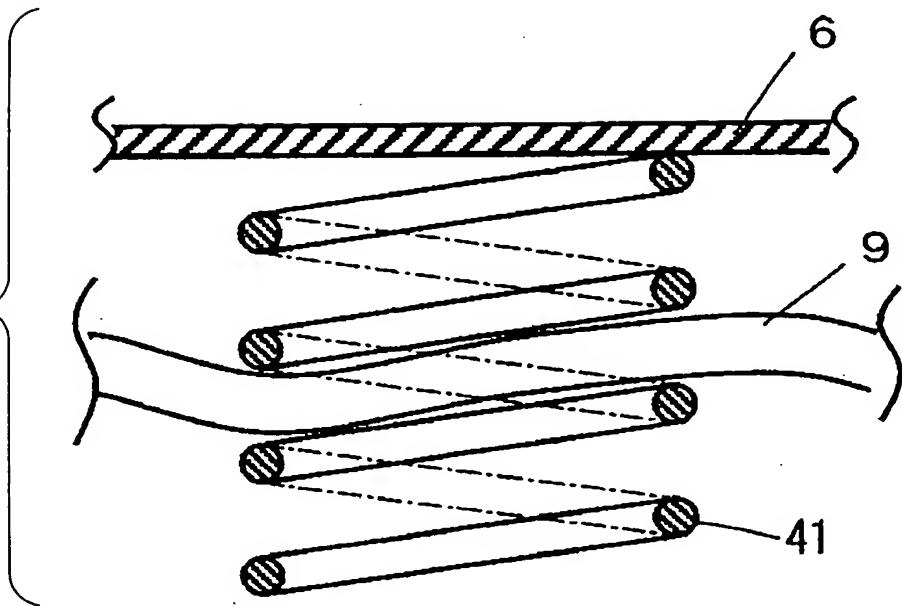
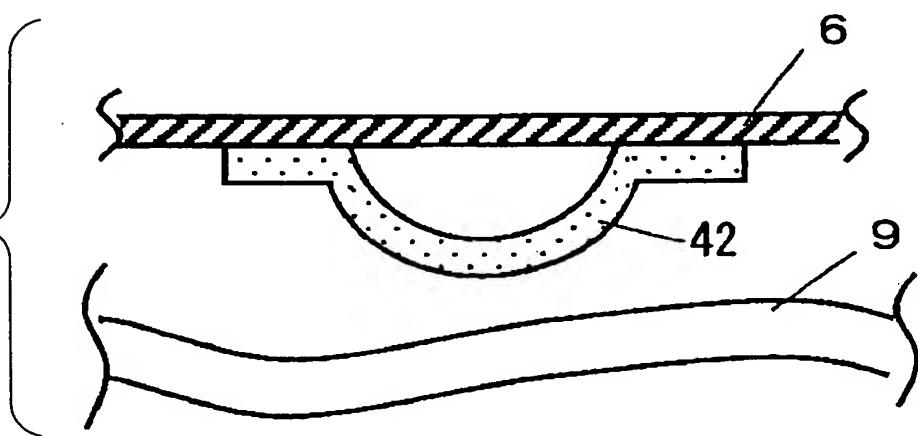
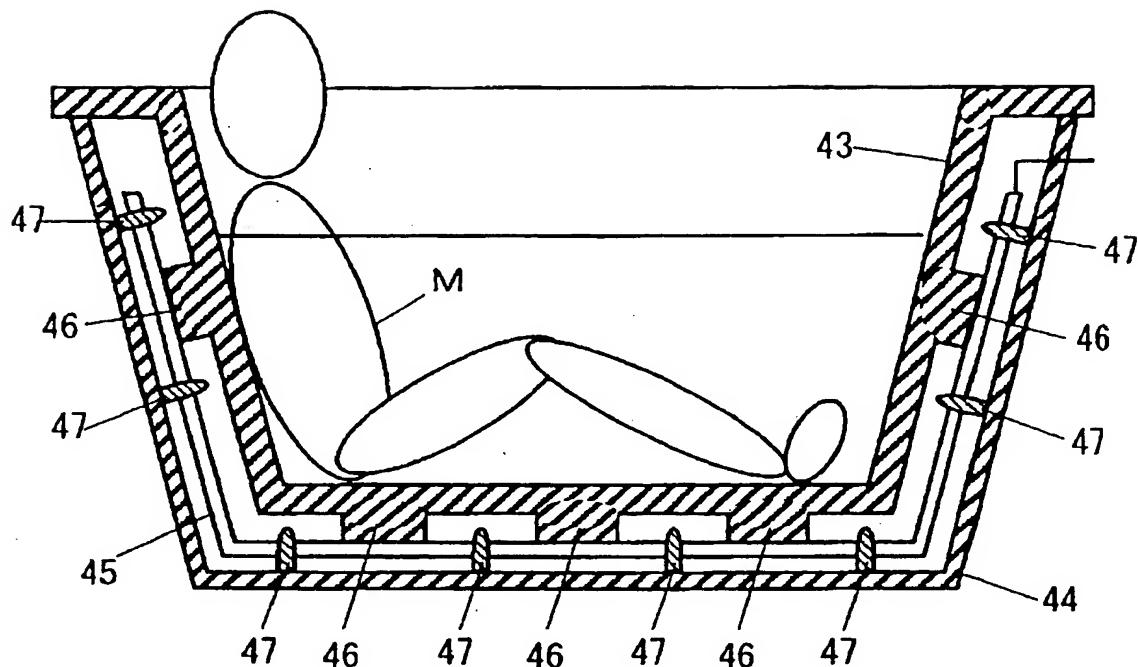


FIG. 14 (b)



41, 42: PRESSING MEANS (AMPLIFYING MEANS)

FIG. 15 (a)

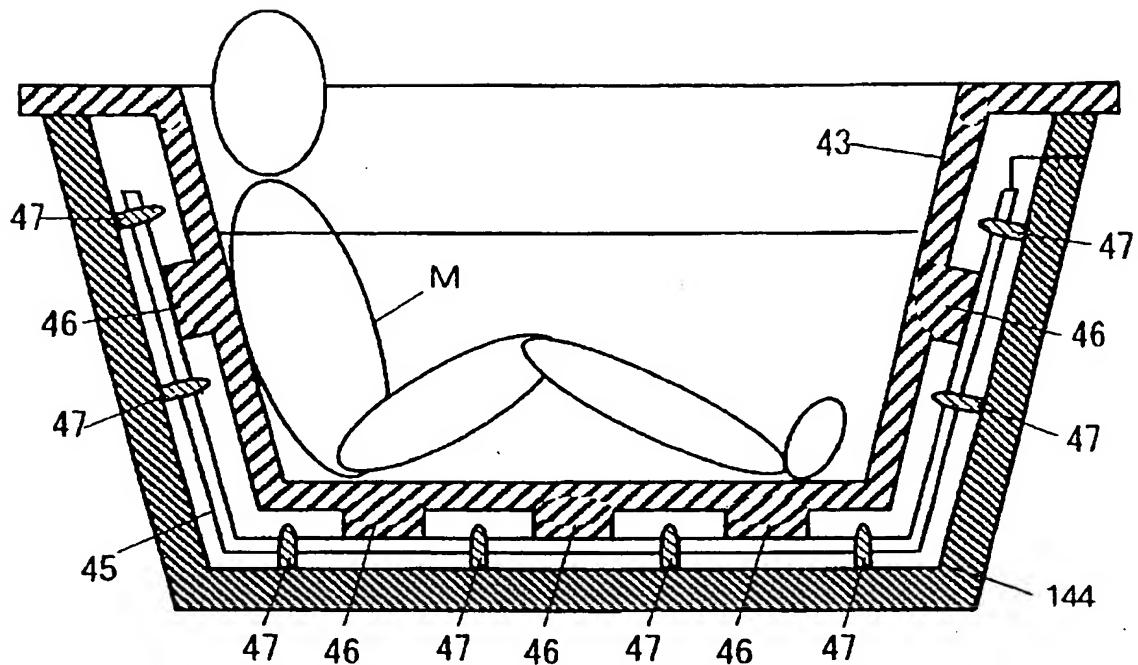


43: BATH TUB (RIGID BODY)

45: PIEZOELECTRIC SENSOR (VIBRATION DETECTING SENSOR)

46: PROJECTION (AMPLIFYING MEANS)

FIG. 15 (b)



43: BATH TUB (RIGID BODY)

144: OUTER FRAME (FIXING PORTION)

45: PIEZOELECTRIC SENSOR (VIBRATION DETECTING SENSOR)

FIG. 15 (c)

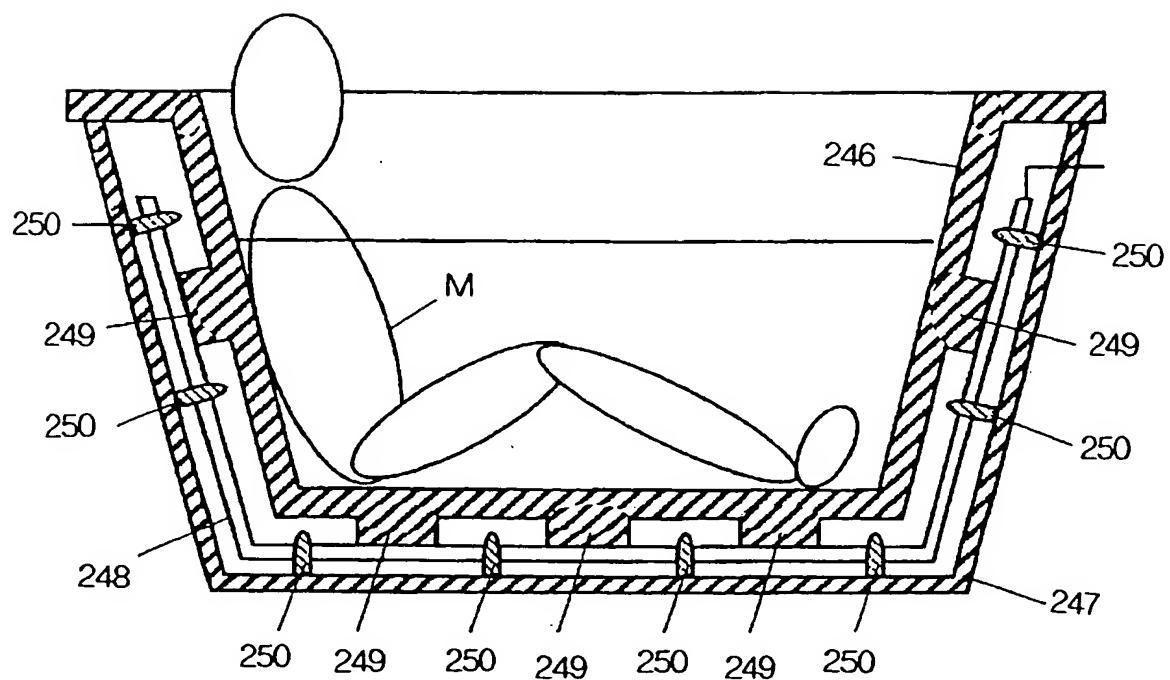
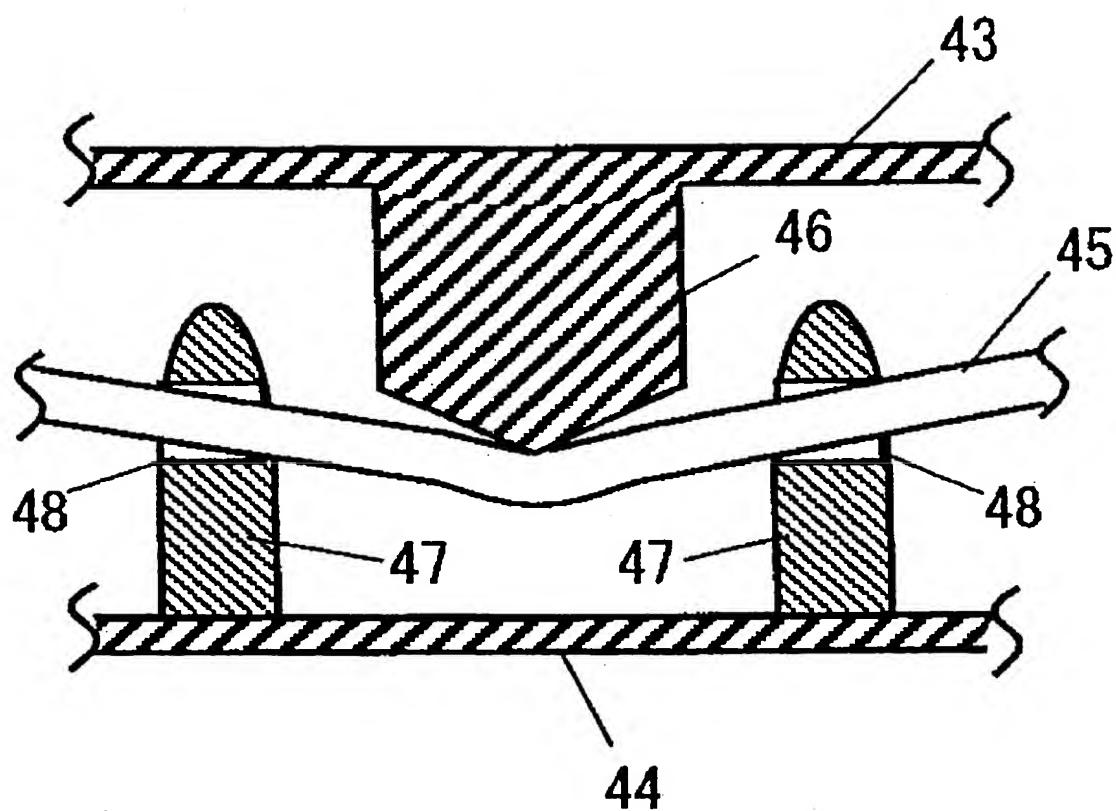
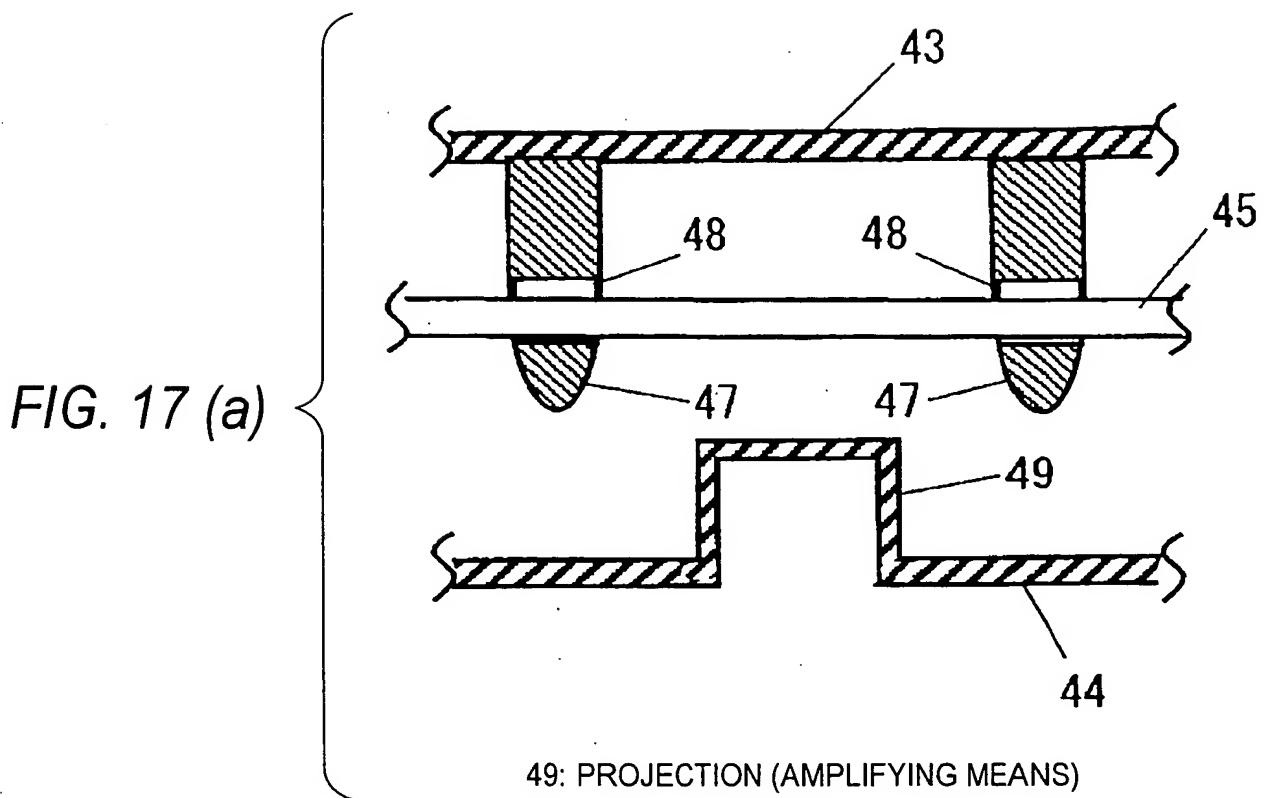


FIG. 16





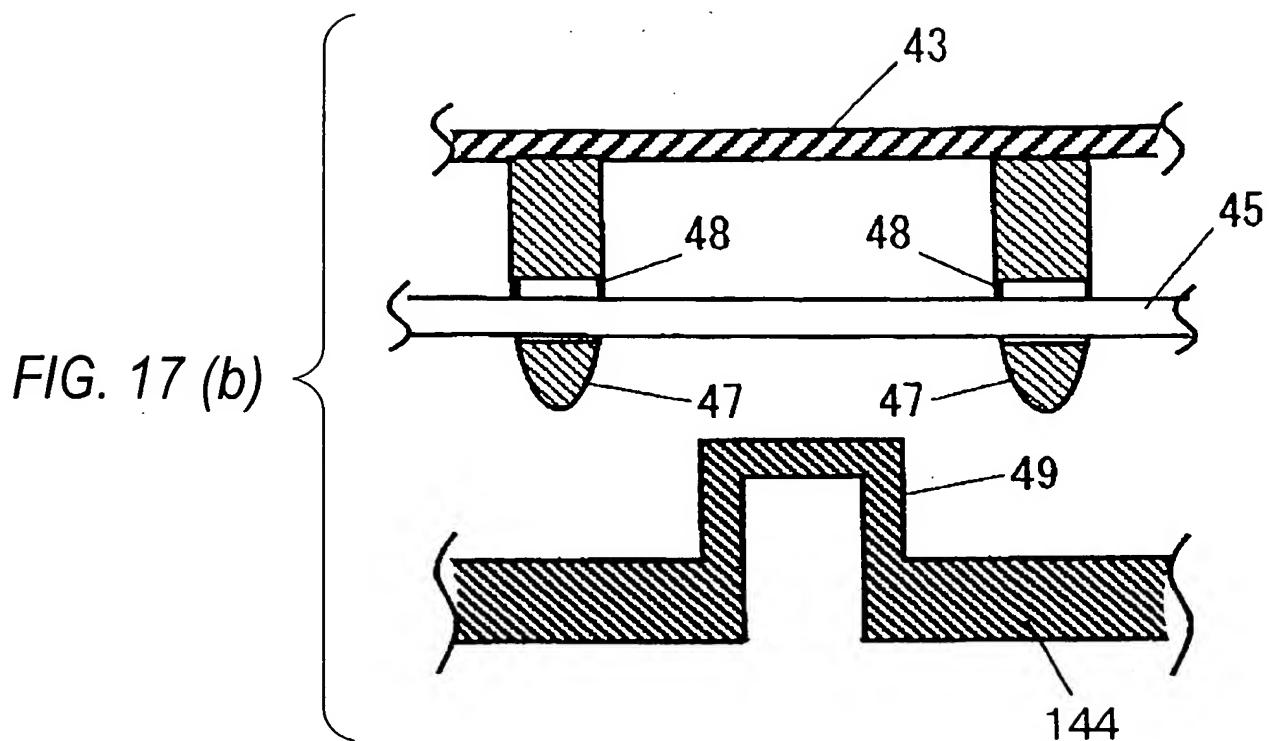
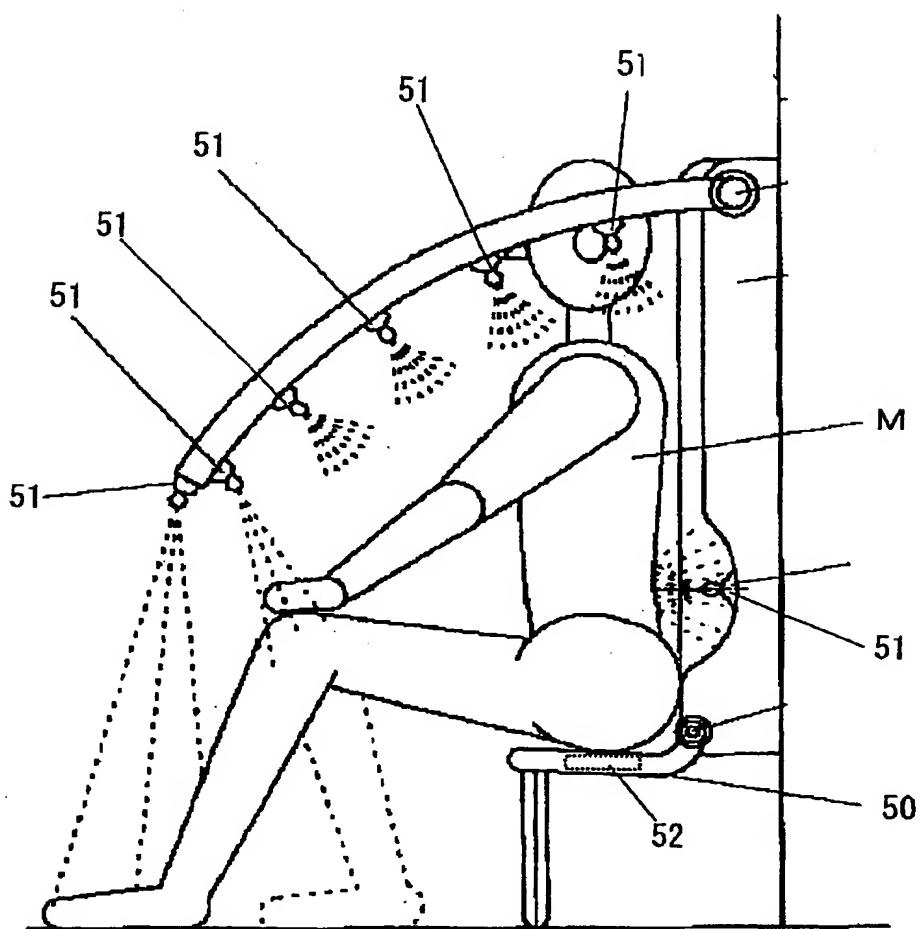


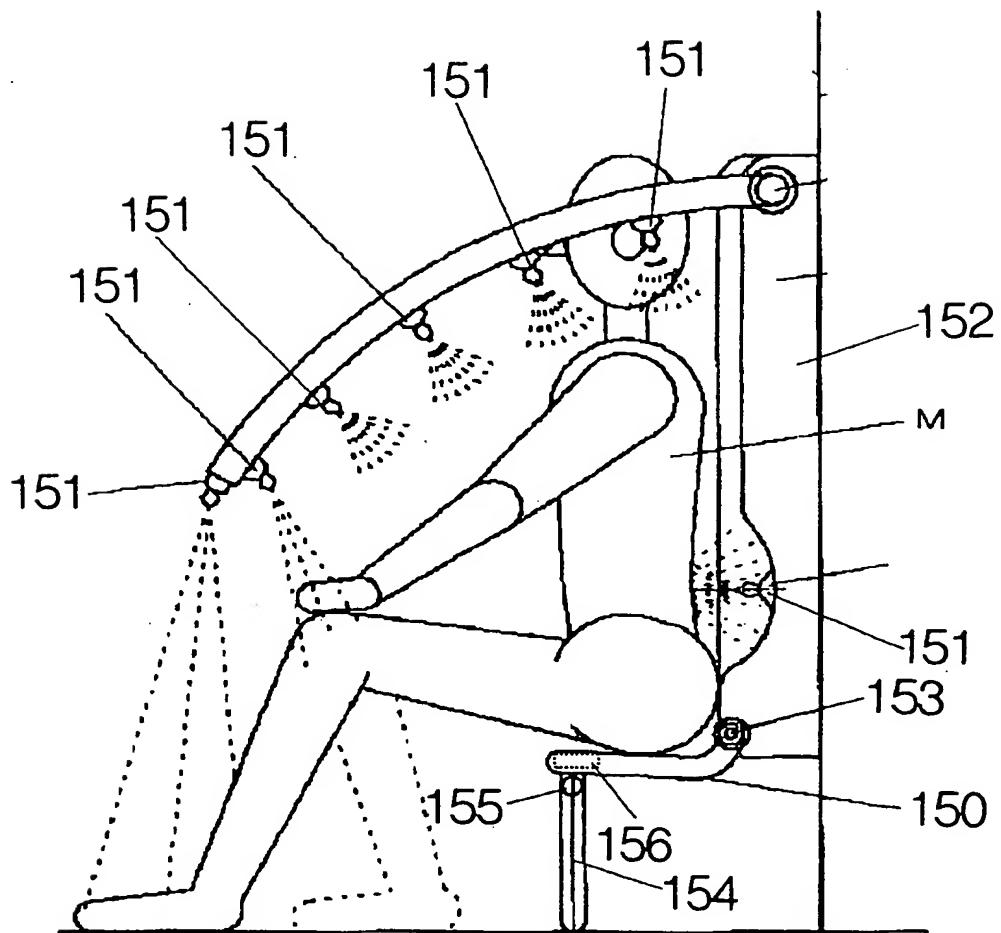
FIG. 18 (a)



50: SEAT (RIGID BODY)

52: VIBRATION DETECTING APPARATUS

FIG. 18 (b)

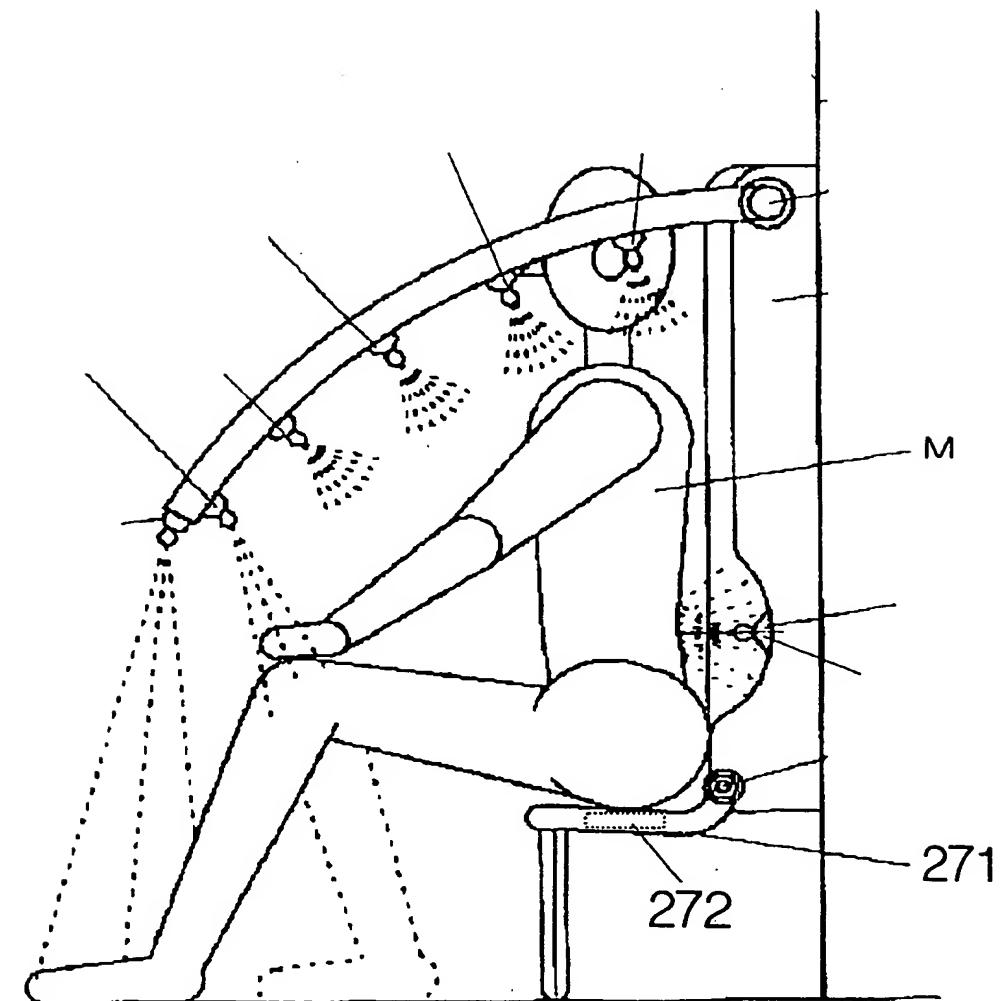


150: SEAT (RIGID BODY)

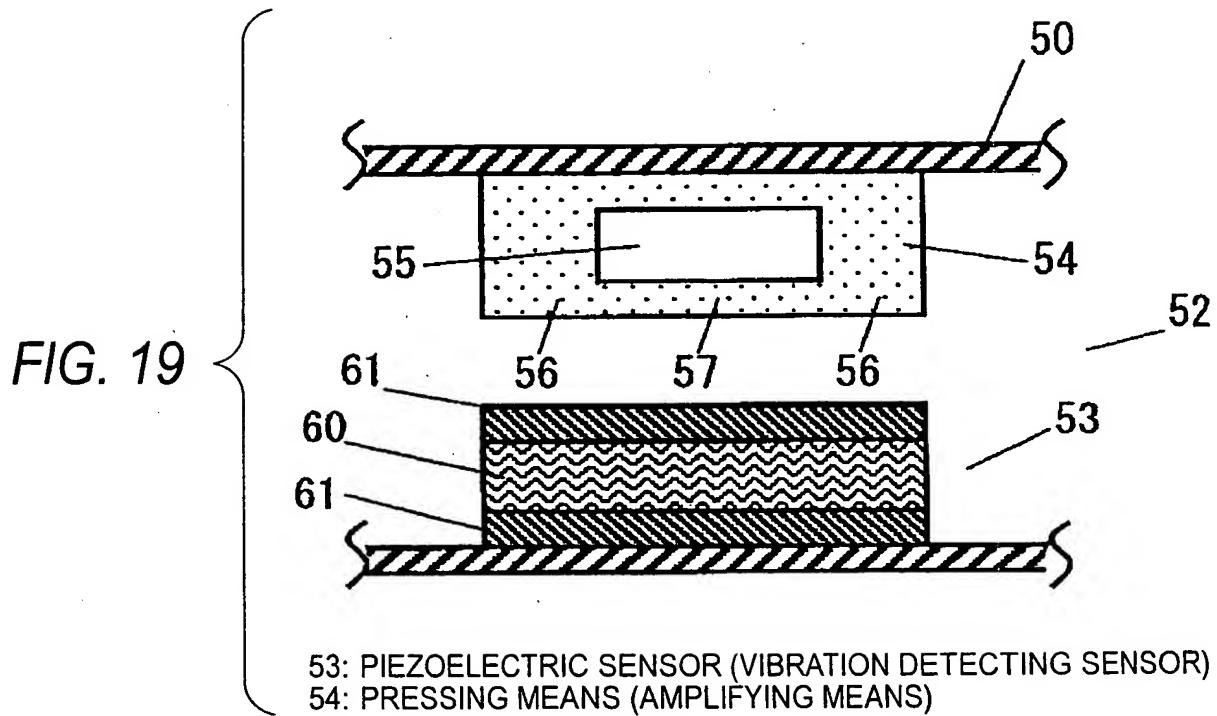
154: SUPPORT PLATE (FIXING PORTION)

156: VIBRATION DETECTING APPARATUS

FIG. 18 (c)



272: PIEZOELECTRIC SENSOR



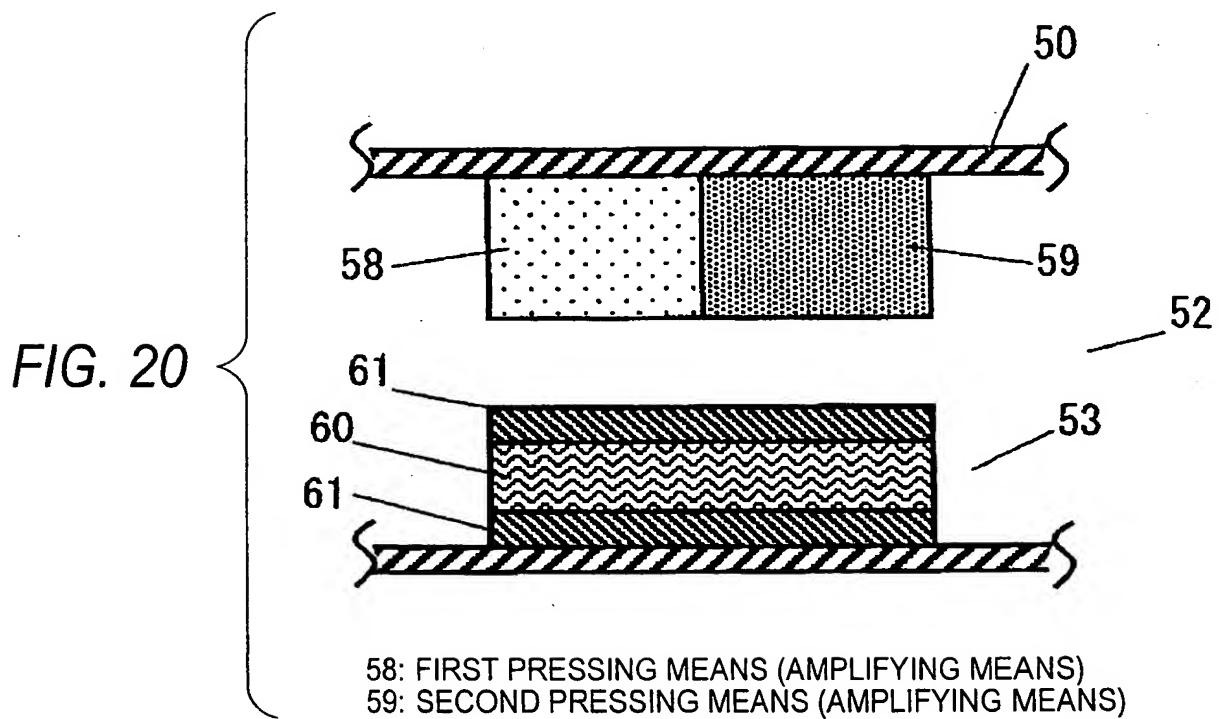


FIG. 21 (a)

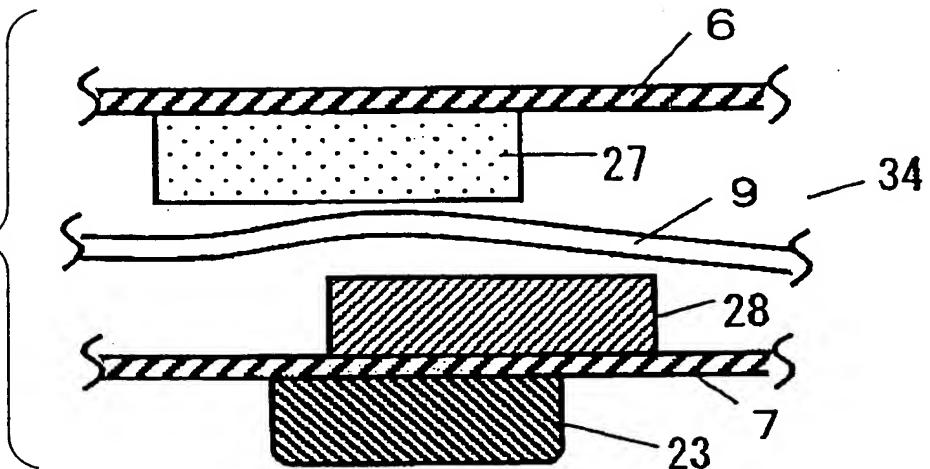


FIG. 21 (b)

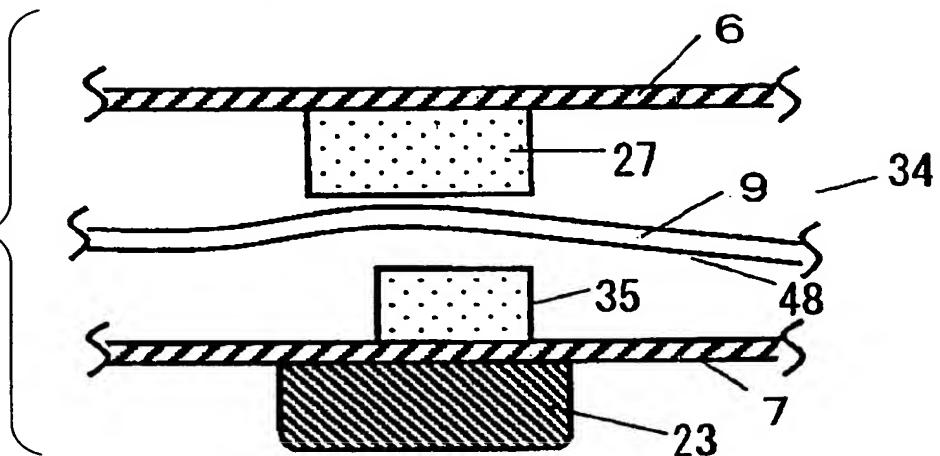


FIG. 21 (c)

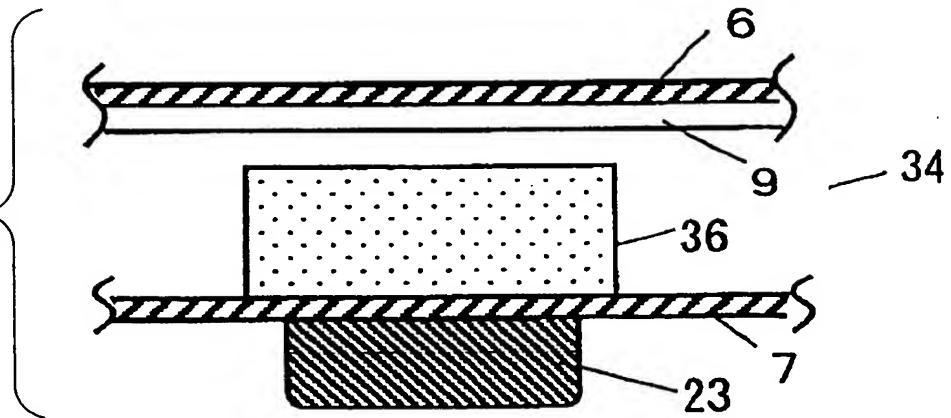


FIG. 22 (a)

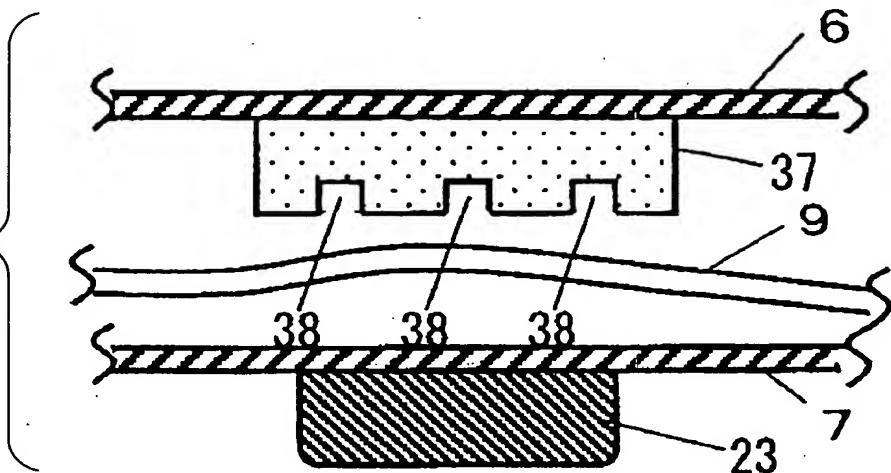


FIG. 22 (b)

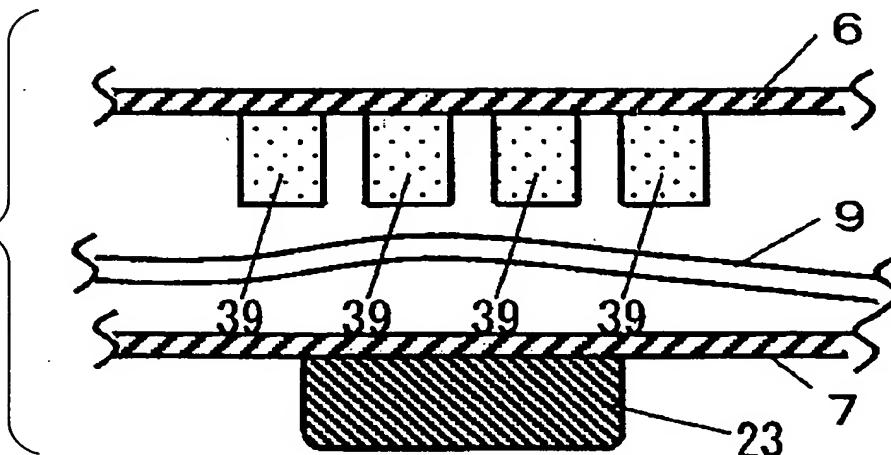


FIG. 22 (c)

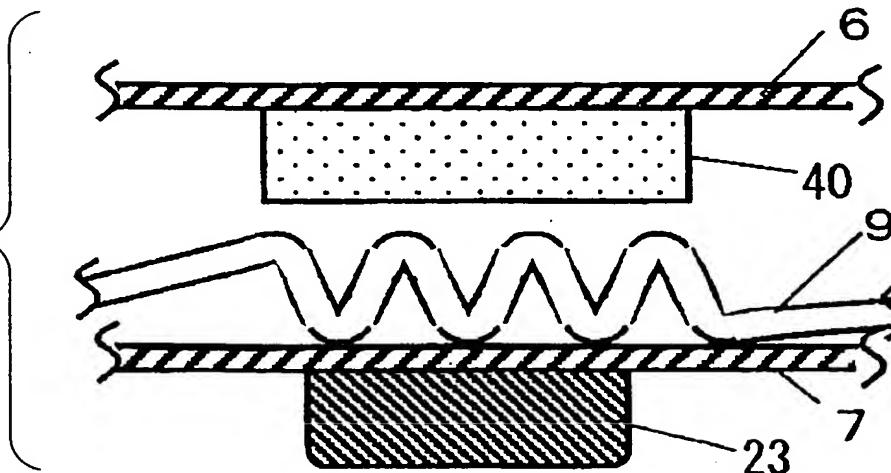


FIG. 23 (a)

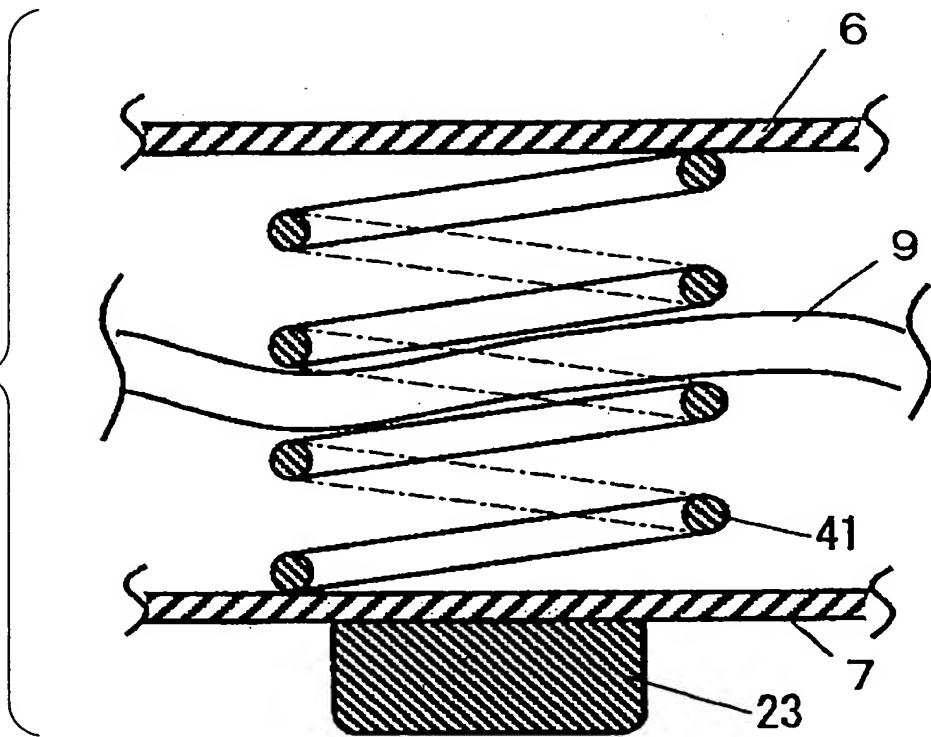
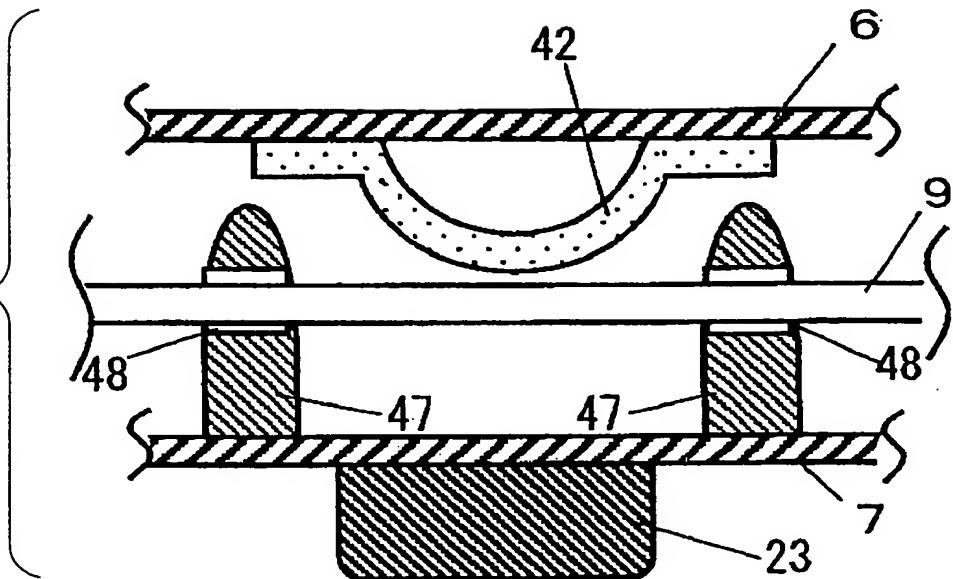


FIG. 23 (b)



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FIG. 24

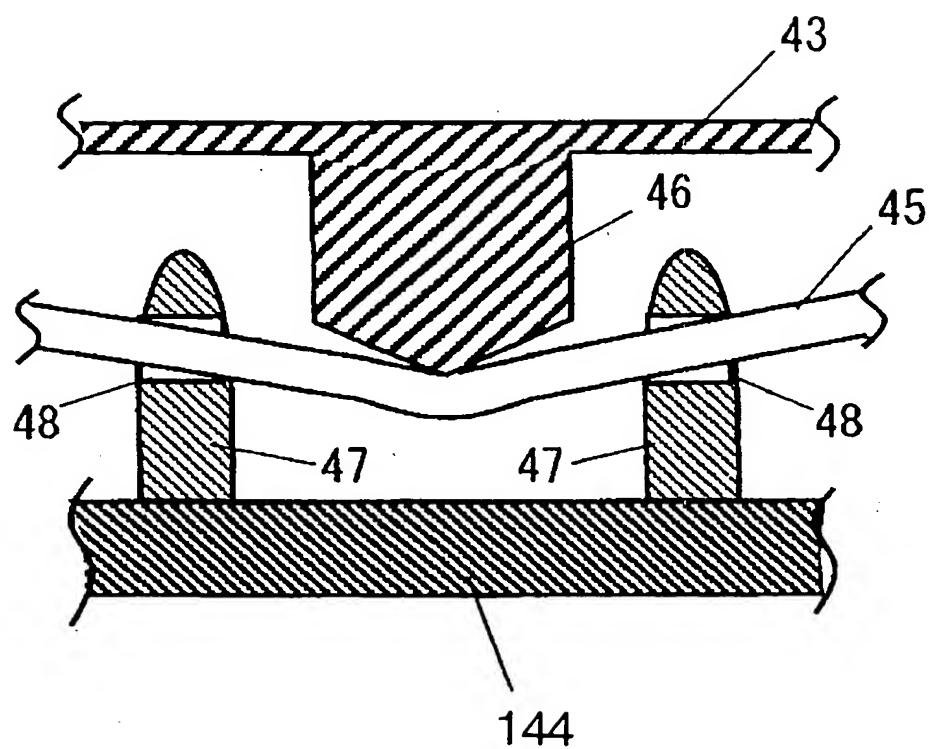
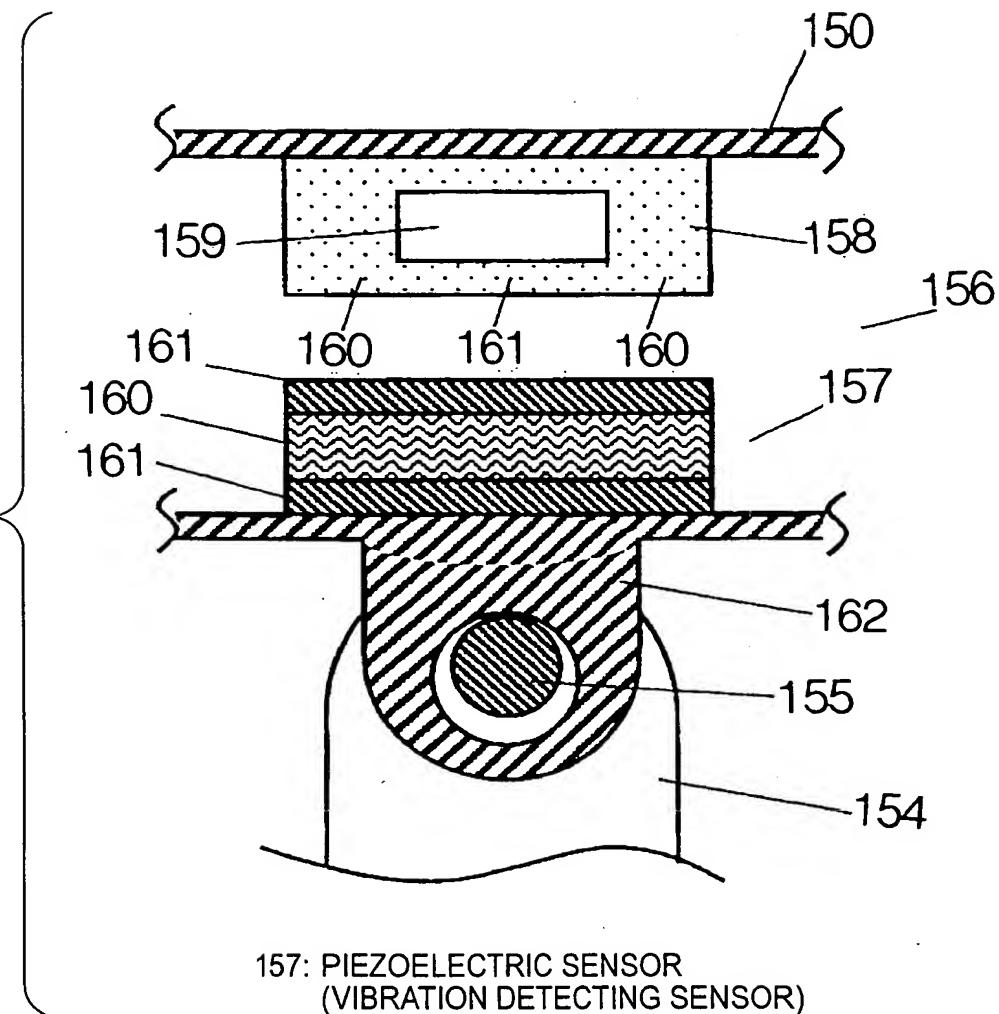


FIG. 25



157: PIEZOELECTRIC SENSOR
(VIBRATION DETECTING SENSOR)

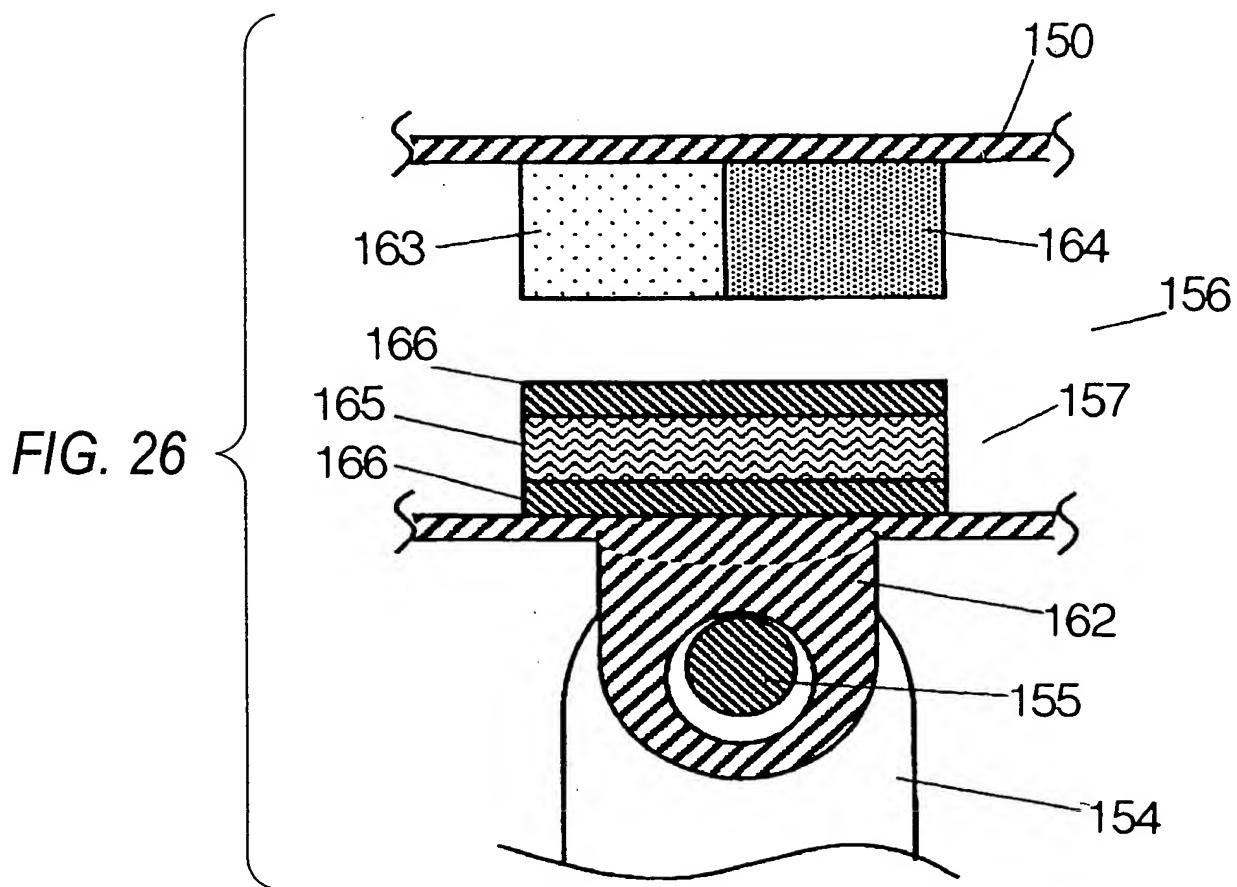


FIG. 27 (a)

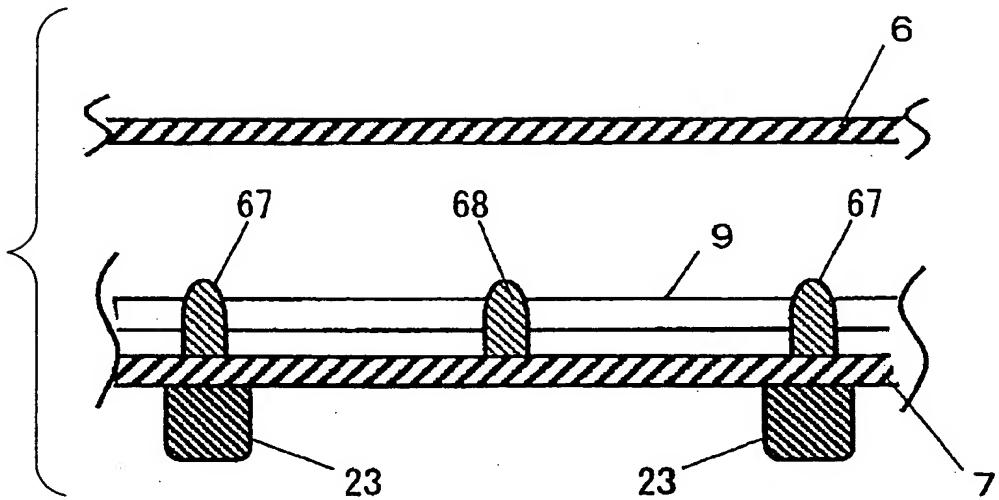


FIG. 27 (b)

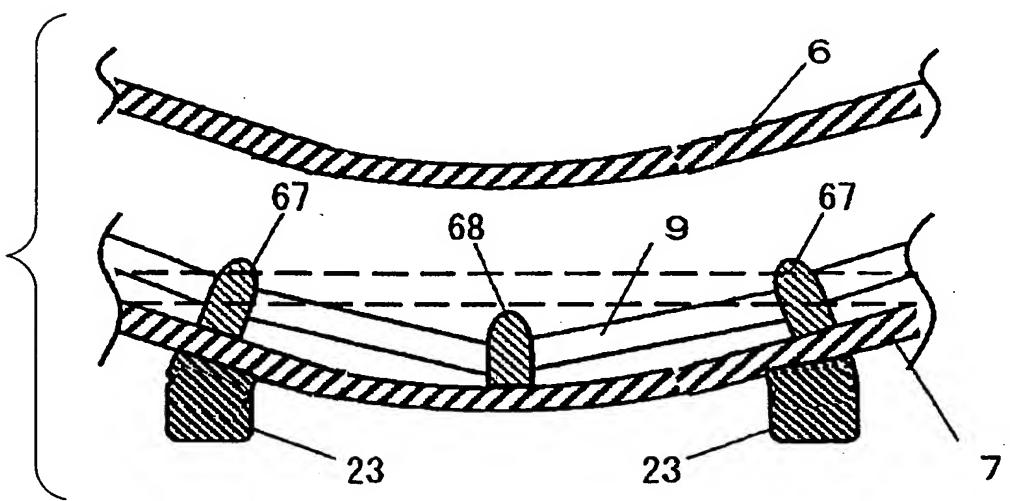


FIG. 28 (a)

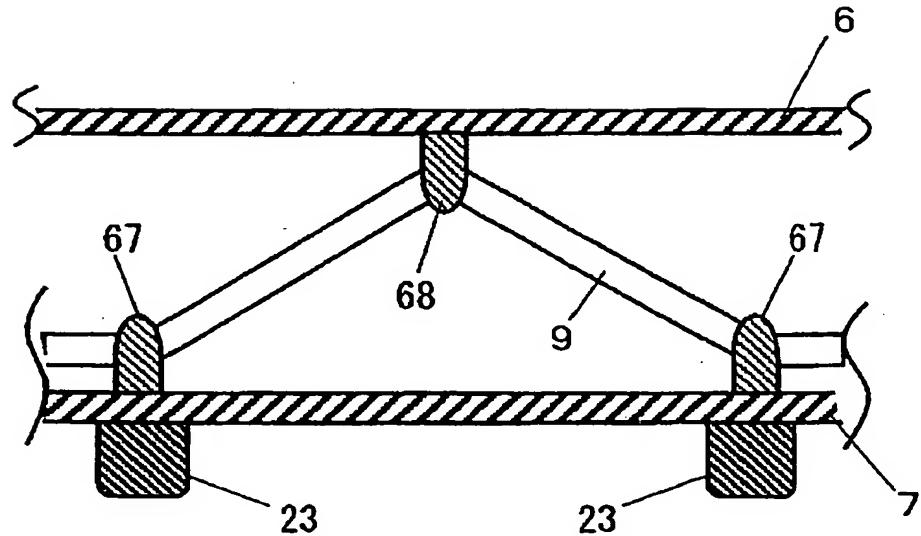


FIG. 28 (b)

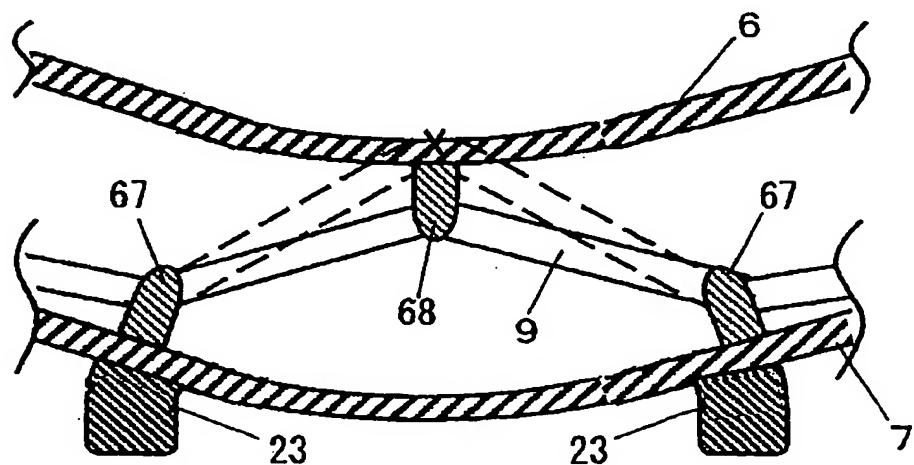
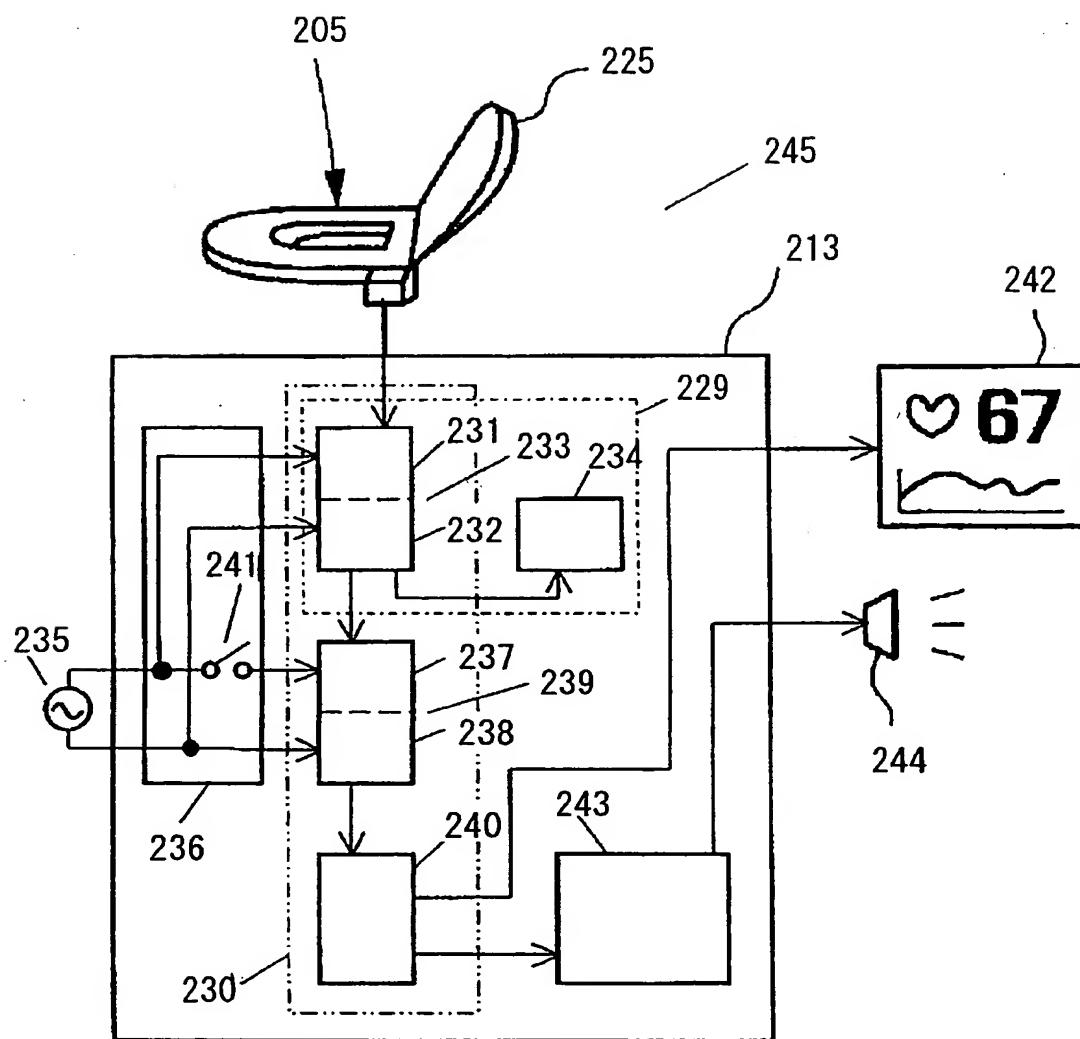


FIG. 29



- 213: CONTROLLING MEANS
- 229: FIRST DETERMINING MEANS (DETERMINING MEANS)
- 230: SECOND DETERMINING MEANS (DETERMINING MEANS)
- 232, 238: AMPLIFYING MEANS
- 236: POWER SUPPLYING MEANS
- 242: DISPLAYING MEANS
- 244: INFORMING MEANS
- 245: VIBRATION DETECTING APPARATUS

FIG. 30

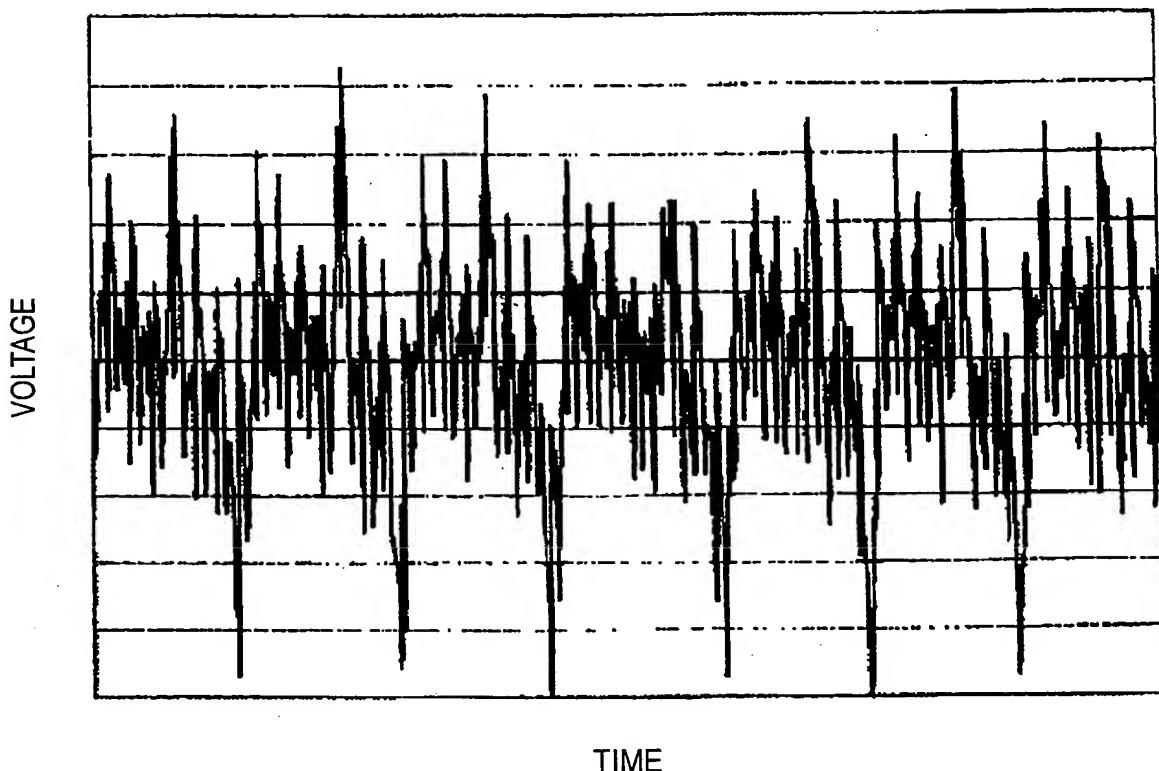


FIG. 31

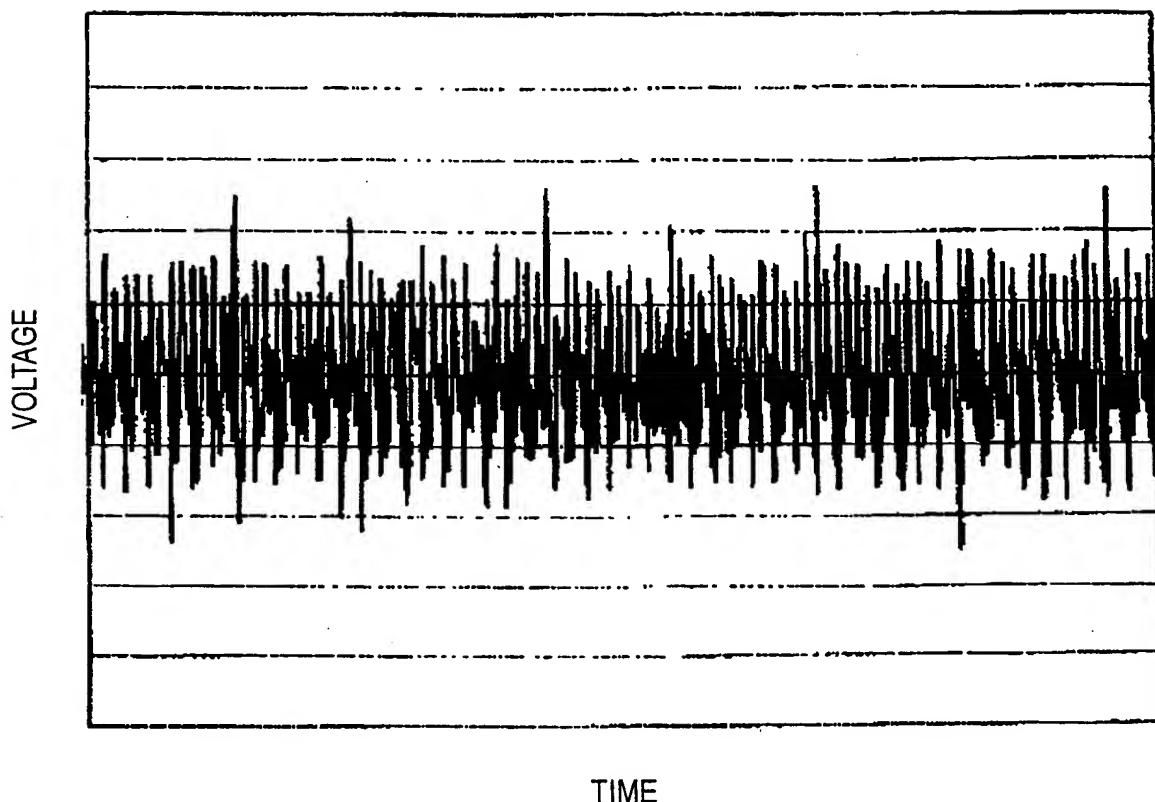


FIG. 32

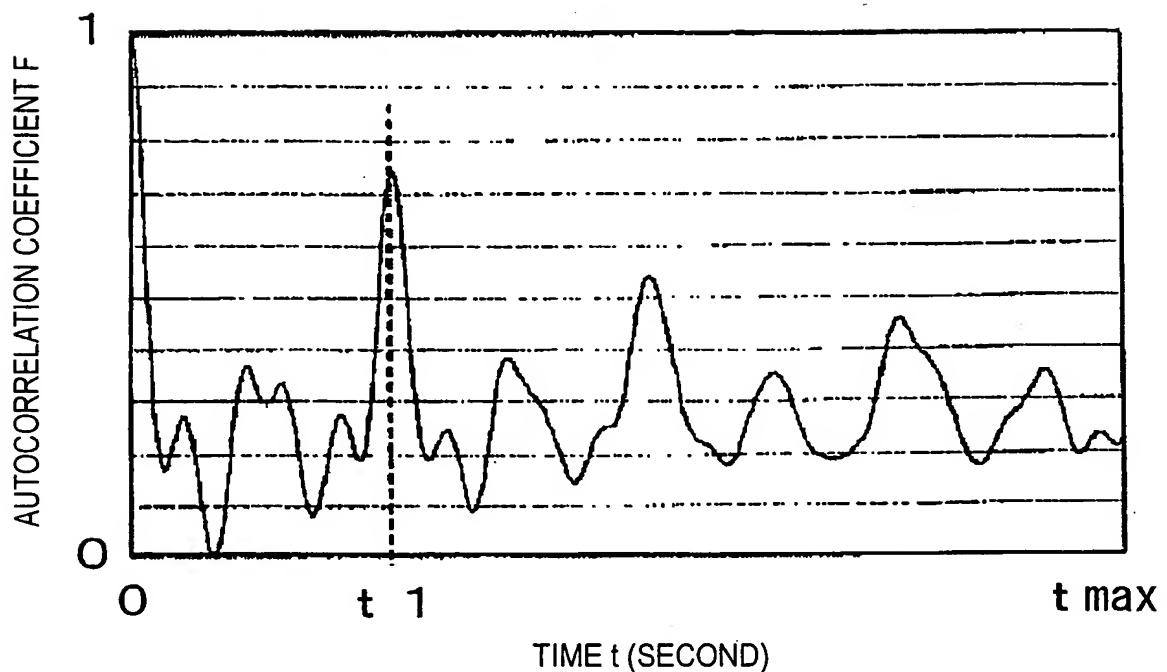


FIG. 33

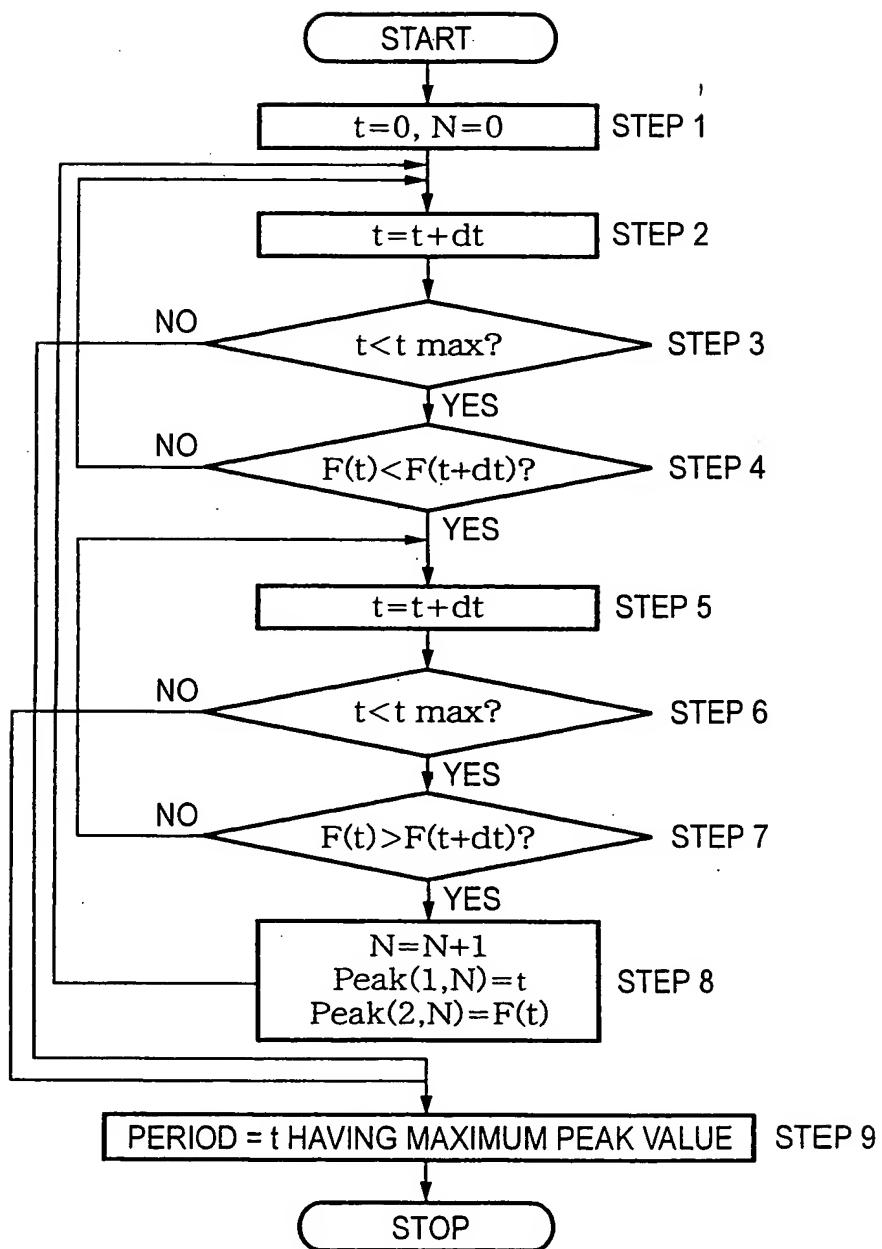
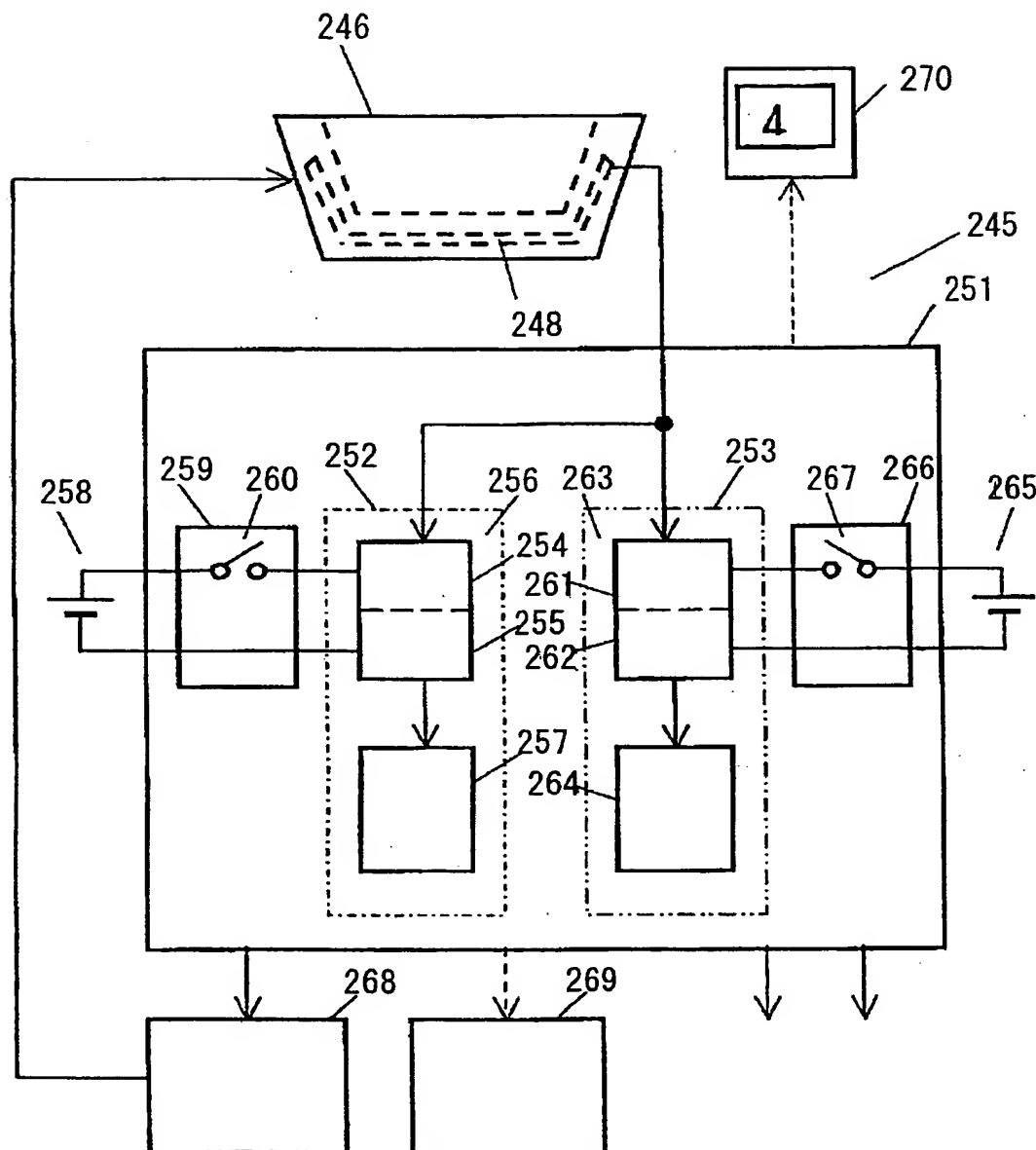


FIG. 34



- 251: CONTROLLING MEANS
- 252: FIRST DETERMINING MEANS (DETERMINING MEANS)
- 253: SECOND DETERMINING MEANS (DETERMINING MEANS)
- 255, 262: AMPLIFYING MEANS
- 259, 266: POWER SUPPLYING MEANS
- 268: HOT WATER SUPPLY APPARATUS
(WATER SUPPLYING AND DISCHARGING MEANS)
- 269: INFORMING MEANS
- 270: DISPLAYING MEANS

FIG. 35

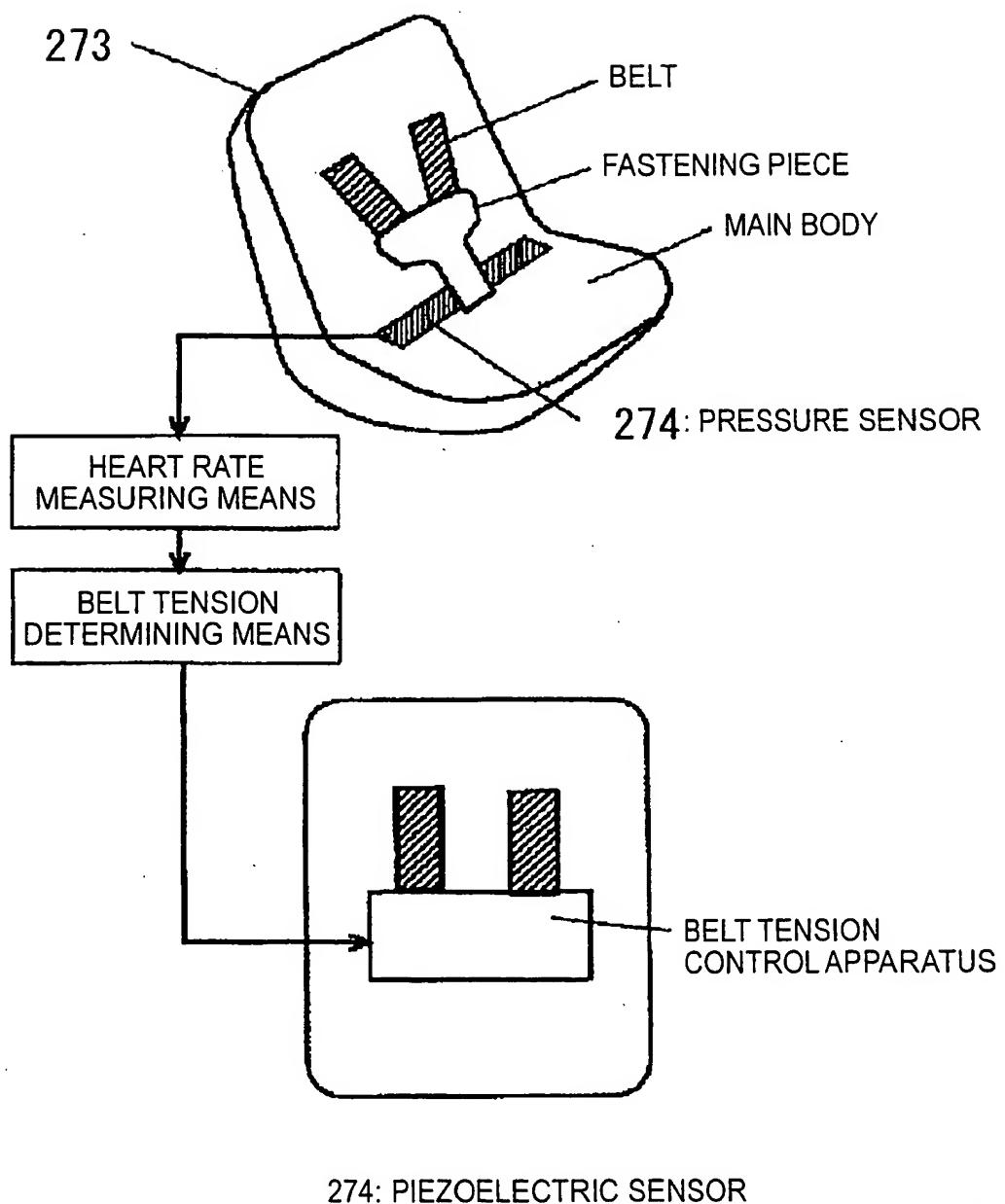
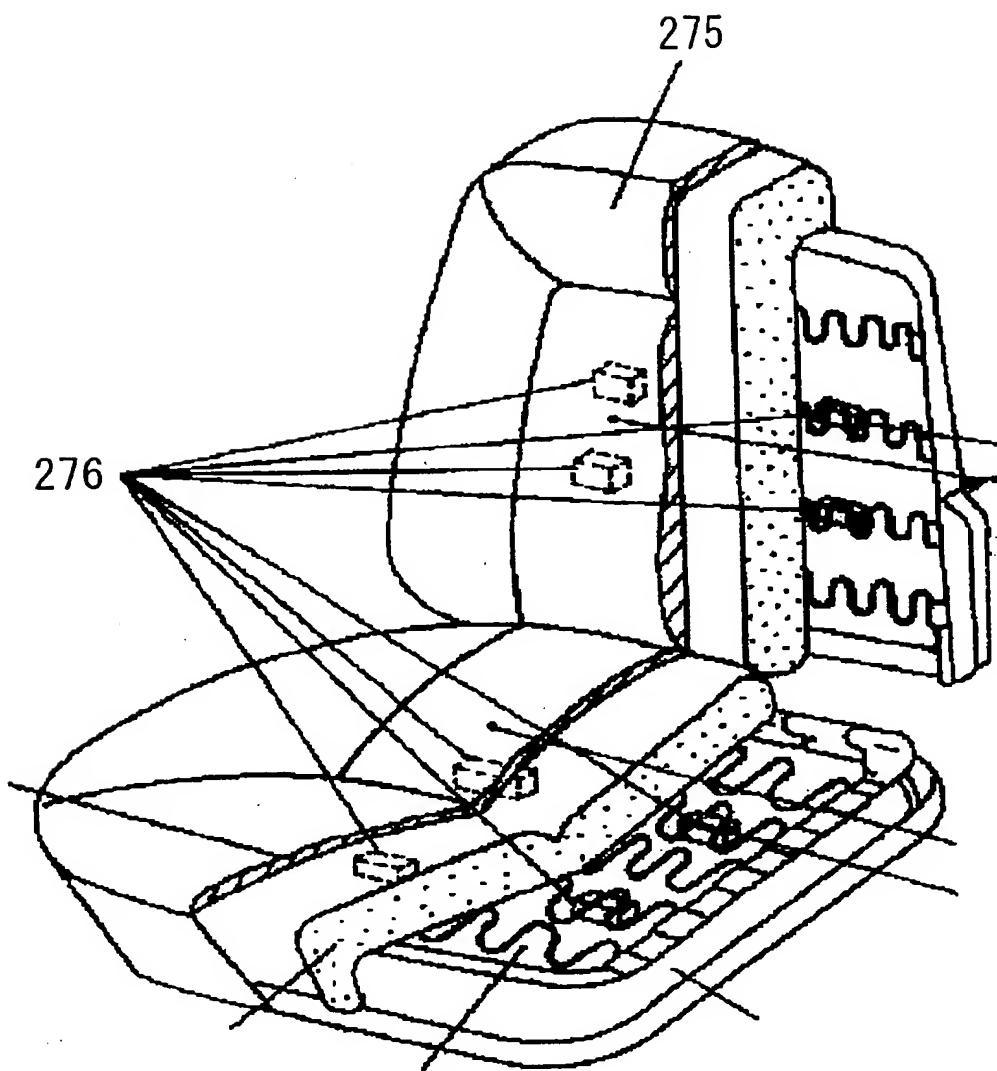


FIG. 36



276: PIEZOELECTRIC SENSOR

FIG. 37

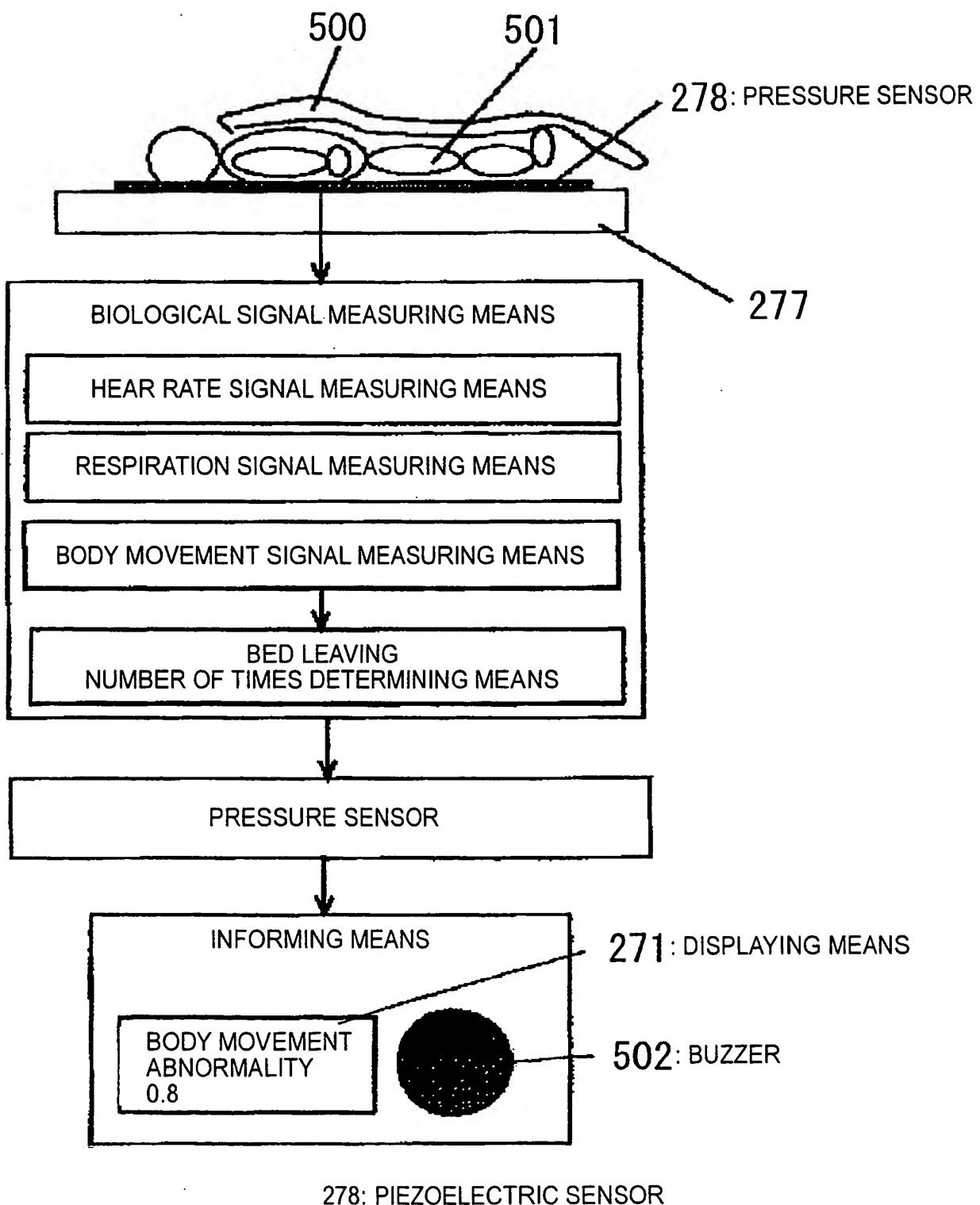


FIG. 38

